

Like the clear wind, gentle sunlight, and the ever-flowing energy of nature, Haneolnuri strives to create a future where both people and the planet can smile together.

Today, the Earth is calling for change.

Haneolnuri listens to the answers found in nature, moving beyond the limits of fossil fuels to build a sustainable world through renewable energy technologies.

Believing that technology should serve people and cherishing the value of a life in harmony with nature, we move forward—quietly, steadily, and with purpose.

Through top-quality products and sincere service, we open a path toward warm, sustainable energy for our customers, our communities, and the generations to come.

## Best Partner

As a leader in renewable energy, Haneolnuri is driving innovation for a cleaner, more sustainable tomorrow.



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### **Company History**

#### **History of Haneolnuri**

2025 2024 2023 2022 2021 2020 2019 2018 2017 2016 2015 2014 2013

#### 2025

- Registered one patent
- Obtained KC certification and registered dimming controller with the Public Procurement Service (PPS)
- Launched a social contribution project in partnership with LG Energy Solution
- Developed a global communication network

#### 2024

- Obtained Environmental Label certification for LED lamps
- Received Pilot Purchase Product Confirmation from the Ministry of SMEs and Startups
- Designated as a Leading Venture Company in Chungcheongbuk-do
- Promoted smart factory advancement at the Eumseong plant
- Selected as the regional specialization project "Legend 50+"
- Established industry academic partnerships with Semyung University (R&D)
- Established industry academic partnerships with Chungbuk National University
- Established industry academic partnerships with Cheongju University
- Established industry academic partnerships with Korea National University of Transportation
- Registered two patents
- Received a commendation for contributions to the development of the root industry
- Relocated headquarters to Eumseong, Chungcheongbuk-do

#### 2023

- Re-designated as a Chungbuk Star Company
- Selected as a family company by KICT (Korea Institute of Civil Engineering and Building Technology)
- Designated as a G-PASS company by the PPS
- Received a Performance Certificate from the Ministry of SMEs and Startups
- Awarded the Prime Minister's Commendation (Outstanding SME Entrepreneur)
- Registered three patents and one trademark
- Recognized by the Ministry of Trade, Industry and Energy for excellence in wind-hybrid streetlight technology (Chungbuk TP)
- Established an overseas branch in Uzbekistan

#### 2022

- Certified as a Leading Industry SME by Chungbuk TP
- Acquired ISO 45001 (Occupational Health and Safety Management System) certification
- Obtained GS Grade 1 certification and copyright registration for monitoring system
- Received KC certification and High-Efficiency Equipment Certification for LED lamps
- Registered two patents
- Awarded the Minister's Commendation by the Ministry of SMEs and Startups

#### 2021

- Designated as an Energy–Specialized Enterprise (No. 2021–55)
- Certified as a Specialized Materials, Parts, and Equipment Company (No. 26119)
- Certified as a T-2 Grade Excellent Technology Company
- Obtained CE and KC certifications for SPC1 (Solar Power Controller 1)
- Obtained KC certification and High-Efficiency Equipment Certification for LED lamps
- Acquired Group Standard Product Certification for carbon and stainless steel lighting poles
- · Registered one patent
- Received a Special Prize at the Chungbuk SME Awards

#### 2020

- Certified as a Management Innovation SME (MAIN-BIZ)
- Certified as a Technology Innovation SME (INNO-BIZ)
- Selected as a Chungbuk Star Company (Promising SME in the Chungbuk region)
- Certified as a Root Industry Enterprise (No. 20100–09470)
- Signed a multiple supplier contract with the PPS [Stand-Alone Solar Streetlight]
- Obtained KC certification and High– Efficiency Equipment Certification for LFD lamps
- Acquired KS certification for solar power junction boxes
- Registered four patents and one streetlight design
- Received a commendation from the Korea Electrical Contractors' Financial Cooperative







We are leading the future energy industry with a vision for sustainable growth and the Green New Deal. By actively harnessing nature's energy and pursuing continuous research and development, we strive to become a leader in the renewable energy sector. With humility at our core, we will continue to practice ethical management that values people, customers, families, and society as a whole

2012 2011 2010 2009 2008 2007 2006 2005 2004 2003 2002 2001 2000

#### 2019

- Designated by the Korea Energy Agency's New and Renewable Energy Center as an repair partner
   for four consecutive years
- Registered as a software business
- (B19-174643-001)
- Certified as a T-3 Grade Excellent Technology Company
- Registered one patent and one trademark
- Received a commendation from the Minister of Employment and Labor (Outstanding SME Entrepreneur)
- Received a commendation from the Minister of Trade, Industry and Energy

#### 2018

- Certified as a Venture Business
- Certified as a T-4 Grade Excellent Technology Company
- Registered two patents
- Received a commendation from the Minister of SMEs and Startups (Outstanding SME Entrepreneur)

#### 2017

- Established in-house R&D center (No. 2017113086)
- Acquired ISO 14001 Environmental Management System certification
- Designated as a Military Service Partner by the Chungbuk Regional Military Manpower Office
- Selected as a Family–Friendly Certified Company
- Certified as a T-5 Grade Excellent Technology Company
- Registered as an Overseas Construction Business (No. 1923)

#### 2016

- Acquired Q-Mark Quality Certification
- Certified as an Excellent Employment Company
- Received a commendation from the Korea Energy Agency

#### 2015

- Registered solar power generation system plant
- Signed a multiple supplier contract with the PPS [Solar Power Generation System]
- Acquired ISO 9001 Quality Management System certification
- Received a commendation from the Governor of Chungcheongbuk-do

#### 2014

 Received a commendation from the Minister of Trade, Industry and Energy

#### 2012

- Certified as a specialized underground power distribution company – KEPCO
- Acquired license for 170kV extra-high voltage cable jointing – PFISTERER (Germany)

#### 2011

- KEPCO
- Registered as a qualified contractor for bundled overhead transmission lines
  Certified as a qualified contractor for 345kV substation construction

#### 2010

 Registered as a renewable energy installation specialist (No. 2010–5925)

#### 2005

 Registered as a firefighting facility contractor (No. 2005–17)

#### 2004

- Certified for live-line construction by KEPCO (No. 49)
- Relocated headquarters to Danyanggun, Chungcheongbuk-do
- Changed company name to Haneolnuri Co., Ltd.

#### 2001

· Incorporated as a legal entity







#### **Certifications &** Registrations

#### Honors earned through unmatched quality and exceptional execution!

#### **Company Certificates**



Certificates and Registrations



Management Innovation SME Certification (Main-Biz)



Technology Innovation SME (Inno-Biz)



Certificate of Designation as a Leading Venture Company



Root Company



Specialist in Materials, Parts, and Equipment



Leading SME in the Region



Family-Friendly Certified Company



Corporate Research



KICT Family Compan



Regional Specialization Project Participati [Legend 50+]



G-PASS Company

#### **ISO and Product Certifications**



Quality Management System Certification ISO-9001



Environmental Management System Certification ISO-14001



Safety and Health Management System Certification ISO-45001



SPC KC Certification



SPC CE Certification



1st Grade GS Quality Certification for HSPC1 Monitoring System



SPC1 KC Certification



SPC1 CE Certification



KS Certification for Solar Power Connection Boxes



LED Lamp KC Certification



LED Lamp High-Efficiency Energy Equipment Certification



Performance Certification



Pilot Purchase Product Confirmation



Environmental Label Certification



KC Certification for **Dimming Controller** 

Haneolnuri pursues outstanding quality and safe construction through daily innovation, building a solid track record backed by unmatched expertise and proven technology.

#### Registrations

Product	Registration Date.	Registration No.
Business Registration Certificate	508-81-10035	2001. 01. 17.
Factory Registration	-	2020. 03. 25.
Electrical Works Registration	No. Gyeongbuk-00872	1991. 04. 19.
Firefighting Facilities Construction Registration	No. 2005-17	2013. 02. 20.
Information and Communication Constructions Registration	No. 111727	1995. 11. 14.
Software Business Registration	No. B19-174643-001	2019. 04. 30.
Overseas Construction Business Confirmation	No. 1923	2017. 07. 25.
Specialized Company for Renewable Energy Facility Installation	No. 2010-5925	2023. 04. 16.
Group Standard Product Certification	No. PV0620078	2020. 09. 23.
Venture Company	No. 20250605030035	2025. 06. 05.
Direct Production Confirmation [Solar Power Devices]	No. 2024-0478-00084	2024. 11. 26
Direct Production Confirmation [Street Light Poles and Accessories]	No. 2025-0539-00201	2025. 05. 28
Direct Production Confirmation [Street Light Poles and LED Luminaires]	No. 2024-0541-00301	2024. 11. 26
Direct Production Confirmation [Software Engineering]	No. 2025-0507-00056	2025. 01. 07
Direct Production Confirmation [Software Maintenance and Support]	No. 2025-0508-00050	2025. 01. 07
Direct Production Confirmation [System Management]	No. 2025-0514-00059	2025. 01. 07
Certificate of Direct Production Confirmation [Information Infrastructure Construction Service]	No. 2025-0433-00035	2025. 01. 07
Direct Production Confirmation [Internet Services]	No. 2025-0563-00034	2025. 01. 07
Certificate of Direct Production Confirmation [Outdoor Lighting and Equipment]	No. 2025-0541-00302	2025. 04. 18
Certificate of Direct Production Confirmation [Lighting Control Device]	No. 2025-0481-00361	2025. 04. 18

#### **Patents**

Product	Application No.	Application Date.	Registration Date.	Registration No.
Control Device and Method for Independent Solar Power Generation System	No. 10-2011-0063104	2011. 06. 28.	2013. 08. 02.	No.10-1294807
Method for Adjusting the Height of Solar Structures Based on Soft Ground Settlement	No.10-2012-0147333	2012. 12. 17.	2014. 01. 22.	No.10-1356587
Silicon Ingot Manufacturing Device	No.10-2015-0021049	2015. 02. 11.	2017. 01. 16.	No.10-1698540
Energy Storage System for Extending Battery Life and its Control Method	No.10-2015-1761035	2015. 12. 31.	2017. 07. 18.	No.10-1761035
Performance Evaluation Method for Solar Modules and System	No.10-2018-0083444	2018. 07. 18.	2019. 01. 31.	No.10-1946380
Solar Power Facility Maintenance System	No.10-2019-0137740	2019. 10. 31.	2019. 12. 10.	No.10-2056290
Solar Tracking Device	No.10-2019-0166665	2019. 12. 13.	2020. 08. 06.	No.10-2143959
Solar Street Light and Its Operation Method	No.10-2019-0171913	2019. 12. 20.	2020. 09. 29.	No.10-2163719
Wireless Communication Systems and Data Communication Methods including Communication Devices	No. 10-2013-0007174	2013. 01. 22.	2019. 11. 15.	No.10-2047335
Street Light Using Wind Power Generation	No. 10-2009-0093374	2009. 09. 30.	2011. 11. 29.	No.10-1089606
Hybrid Street Light	No. 10-2022-0094856	2022. 07. 29.	2023. 01. 04.	No.10-2486497
LED Lighting Control System and Method	No. 10-2017-0132940	2017. 10. 13.	2019. 08. 02.	No.10-2008684
Street Light Design	No. 30-2019-0057739	2019. 11. 29.	2020. 07. 07.	No.30-1066324
Trademark Registration Certificate	No. 40-2019-0069826	2019. 05. 04.	2019. 09. 06.	No.40-1518840
Trademark Registration Certificate(HSPC)	No. 40-2021-0217247	2021. 10. 26.	2023. 05. 23.	No.40-2025985
Remote Control Device and Method for street lights by Group	No. 10-2022-0079981	2022. 06. 29.	2023. 09. 06.	No.10-2577256
Map-based Street Light On/Off Control Device and Method	No. 10-2022-0079982	2022. 06. 29.	2023. 09. 06.	No.10-2577257
Bypass Device and Control Method for Non-Power-Interrupting Replacement of Power Equipment	No. 10-2010-0074110	2010. 07. 30.	2012. 08. 20.	No.10-1177083
Heavy Equipment Access Detection System and Method for Transmission Lines	No. 10-2017-0156446	2017. 11. 22.	2019. 09. 03.	No.10-2020123
LED streetlight lighting with guaranteed compatibility for dimming module installation	No. 10-2024-0084900	2024. 06. 28.	2024. 09. 13.	No.10-2708237
Multifunctional smart pole and modular system for lighting poles	No. 10-2024-0024150	2024. 02. 20.	2024. 10. 17.	No.10-2720632
Junction box monitoring method and system	No. 10-2024-0147562	2024. 10. 25.	2025. 04. 15.	No.10-2798131

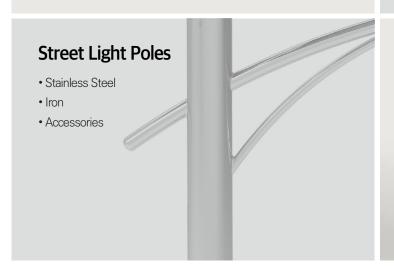
### **BUSINESS AREAS**











### **Bidirectional Monitoring and Remote Control System**

- Equipped with a Bidirectional System
- Monitoring of Solar Street Lights and General Street Lights
- Provides Performance Reports by Period and Device
- Provides Various Information through
- Device Control via Remote Control

#### **LED Dimming controller**

- Built-in sunrise/sunset data
- Seven-step lighting control
- Remote lighting control



### **Solar Power Generation System**

- Roof-Mounted Type
- Open Field Type
- Building-Integrated Type
- Residential support projects
- Large-scale power plants



#### **Electrical Work**

- Transmission and Substation Construction
- Distribution Construction (Overhead, Underground)
- Railway Electrical and Signal Systems
- Landscape Lighting and Street Light Construction
- General Building and Industrial Electrical Construction
- Electric Vehicle Charging (EV) Projects

#### **Information and Communication Construction / Firefighting System** Construction

- Wired and Wireless Communication Construction
- High-Speed Internet
- Maintenance and Construction of High-Altitude Relay Stations
- 5G Repeater Installation and Maintenance
- Communication Power Supply
- (DC, AC, Battery, Generator, Grounding Construction)
- Alarm Systems Fire Extinguishing Systems
- Evacuation Equipment

## Key Features of Haneolnuri Solar Street Lights Point

Haneolnuri Solar Street Lights Challenges the Limits of Solar Street Lights with Patent-Verified Power Control Technology



Real-Time Monitoring and Remote Control via Bidirectional Communication

Monitor the status of solar streetlights in real time and control them remotely via PC or mobile, using reliable bidirectional communication based on LoRa or Cat1.bis



Patent-Verified
Solar Power Controller

Improve battery safety and lifespan by measuring generation, charging, and discharging in real time and preventing overcharging or over-discharging with Haneolnuri's patented power control technology



Motion-Detection Lighting That Saves Energy

Reduce unnecessary power consumption and improve energy efficiency by adjusting brightness and power control through the motion detection sensor



User-Friendly, High-Efficiency Display

Enhance readability and ease of use with an LCD that separates information display from system settings



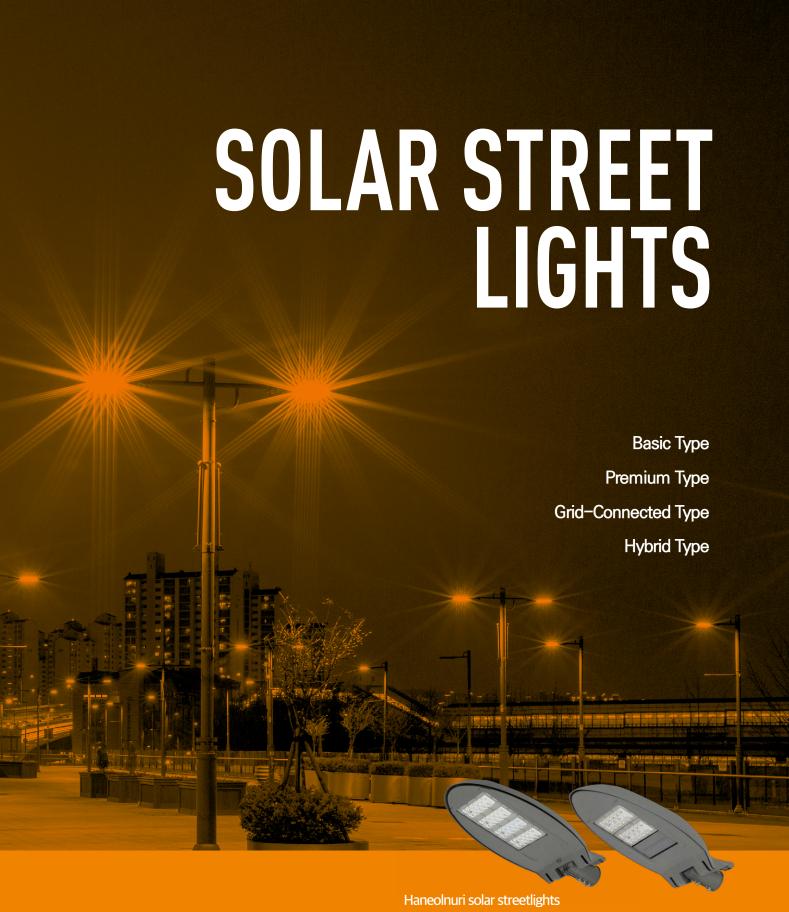
Power Conversion-Free LED Lamp

Use DC LED lighting to eliminate power conversion loss and improve both energy savings and system stability



Hybrid Streetlight with Wind Power Support

Ensure continuous power generation by supplementing solar energy with a built-in wind turbine as an auxiliary source



use DC LED lighting

Our patented solar power controller supplies power directly to the DC LED fixtures, eliminating unnecessary power conversion and maximizing energy efficiency.

# BASIC SOLAR STREET **LIGHTS**

Monitoring system is not included

#### **Standard Features**



**Patent-Verified Power** Controller



Provides various information via Graphic LCD



Equipped with LED dimming function



Power control through real-time input/output power measurement



Built-in sunrise/sunset information









#### **Battery Type**

### **Lithium Iron Phosphate**

Model Name	Product Identification No.	Pole Shape	Solar Panel	LED Lamp	Battery Capacity	Product Height	Pole Material
HSS-SS40F5	25256006	Circular	80Wp × 2EA	40W	110Ah / 12.8V(4S)	5m	Stainless Steel
HSS-SS50F5	25256004	Circular	100Wp × 2EA	50W	135Ah / 12.8V(4S)	5m	Stainless Steel
HSS-SS60F6	25256002	Circular	120Wp × 2EA	60W	160Ah / 12.8V(4S)	6m	Stainless Steel
HSS-SS100F9	25255977	Circular	150Wp × 2EA	100W	220Ah / 12.8V(4S)	9m	Stainless Steel
HSS-SF100F9	25256001	Circular	150Wp × 2EA	100W	220Ah / 12.8V(4S)	9m	Iron
HSS-SS100F10	25255973	Circular	150Wp × 2EA	100W	220Ah / 12.8V(4S)	10m	Stainless Steel
HSS-SF100F10	25255974	Circular	150Wp × 2EA	100W	220Ah / 12.8V(4S)	10m	Iron

#### **Battery Type**

Lithium-lo	n						
Model Name	Product Identification No.	Pole Shape	Solar Panel	LED Lamp	Battery Capacity	Product Height	Pole Material
HSS-SS30L3	25256010	Circular	60Wp × 2EA	30W	75Ah / 14.8V(4S)	3m	Stainless Steel
HSS-SS30L4	25256009	Circular	60Wp × 2EA	30W	75Ah / 14.8V(4S)	4m	Stainless Steel
HSS-SS30L5	25256008	Circular	60Wp × 2EA	30W	75Ah / 14.8V(4S)	5m	Stainless Steel
HSS-SS40L5	25256007	Circular	80Wp × 2EA	40W	95Ah / 14.8V(4S)	5m	Stainless Steel
HSR-SS40L5	25408435	Rectangular	80Wp × 2EA	40W	95Ah / 14.8V(4S)	5m	Stainless Steel
HSS-SS50L5	25256005	Circular	100Wp × 2EA	50W	115Ah / 14.8V(4S)	5m	Stainless Steel
HSR-SS50L5	25408437	Rectangular	100Wp × 2EA	50W	115Ah / 14.8V(4S)	5m	Stainless Steel
HSS-SS60L6	25256003	Circular	120Wp × 2EA	60W	140Ah / 14.8V(4S)	6m	Stainless Steel
HSR-SS60L6	25408439	Rectangular	120Wp × 2EA	60W	140Ah / 14.8V(4S)	6m	Stainless Steel
HSS-SS60L6.5	25255970	Circular	120Wp × 2EA	60W	140Ah / 14.8V(4S)	6.5m	Stainless Steel
HSS-SS100L8	25255969	Circular	150Wp × 2EA	100W	200Ah / 14.8V(4S)	8m	Stainless Steel
HSS-SS100L9	25255975	Circular	150Wp × 2EA	100W	200Ah / 14.8V(4S)	9m	Stainless Steel
HSS-SF100L9	25255976	Circular	150Wp × 2EA	100W	200Ah / 14.8V(4S)	9m	Iron
HSR-SS100L9	25408442	Rectangular	150Wp × 2EA	100W	200Ah / 14.8V(4S)	9m	Stainless Steel
HSS-SS100L10	25255971	Circular	150Wp × 2EA	100W	200Ah / 14.8V(4S)	10m	Stainless Steel
HSS-SF100L10	25255972	Circular	150Wp × 2EA	100W	200Ah / 14.8V(4S)	10m	Iron



# PREMIUM SOLAR STREET LIGHTS

#### **Standard Features**



Patent-Verified Power Controller



Power control through real-time input/output power measurement



**Provides various information** via Graphic LCD



Built-in sunrise/sunset information



Equipped with LED dimming function



**Bidirectional Monitoring & Remote Control System** 



High-Reliability Wireless Communication via LoRa or Cat1.bis



Remote Control of Lighting On/Off Times



Monitoring system included











#### Battery Type

#### Lithium-lon

Model Name	Product Identification No.	Pole Shape	Solar Panel	LED Lamp	Battery Capacity	Product Height	Pole Material
HSS-MS30L3	25256000	Circular	60Wp × 2EA	30W	75Ah / 14.8V(4S)	3m	Stainless Steel
HSS-MS30L4	25255999	Circular	60Wp × 2EA	30W	75Ah / 14.8V(4S)	4m	Stainless Steel
HSS-MS30L5	25255998	Circular	60Wp × 2EA	30W	75Ah / 14.8V(4S)	5m	Stainless Steel
HSS-MS40L5	25255997	Circular	80Wp × 2EA	40W	95Ah / 14.8V(4S)	5m	Stainless Steel
HSS-MF40L5	25255996	Circular	80Wp × 2EA	40W	95Ah / 14.8V(4S)	5m	Iron
HSR-MS40L5	25408434	Rectangular	80Wp × 2EA	40W	95Ah / 14.8V(4S)	5m	Stainless Steel
HSS-MS50L5	25255991	Circular	100Wp × 2EA	50W	115Ah / 14.8V(4S)	5m	Stainless Steel
HSS-MF50L5	25255993	Circular	100Wp × 2EA	50W	115Ah / 14.8V(4S)	5m	Iron
HSR-MS50L5	25408436	Rectangular	100Wp × 2EA	50W	115Ah / 14.8V(4S)	5m	Stainless Steel
HSS-MS60L6	25255987	Circular	120Wp × 2EA	60W	140Ah / 14.8V(4S)	6m	Stainless Steel
HSS-MF60L6	25255989	Circular	120Wp × 2EA	60W	140Ah / 14.8V(4S)	6m	Iron
HSR-MS60L6	25408438	Rectangular	120Wp × 2EA	60W	140Ah / 14.8V(4S)	6m	Stainless Steel
HSR-MS100L8	25408440	Rectangular	150Wp × 2EA	100W	200Ah / 14.8V(4S)	8m	Stainless Steel
HSS-MS100L9	25255983	Circular	150Wp × 2EA	100W	200Ah / 14.8V(4S)	9m	Stainless Steel
HSS-MF100L9	25255985	Circular	150Wp × 2EA	100W	200Ah / 14.8V(4S)	9m	Iron
HSR-MS100L9	25408441	Rectangular	150Wp × 2EA	100W	200Ah / 14.8V(4S)	9m	Stainless Steel
HSS-MS100L10	25255979	Circular	150Wp × 2EA	100W	200Ah / 14.8V(4S)	10m	Stainless Steel
HSS-MF100L10	25255981	Circular	150Wp × 2EA	100W	200Ah / 14.8V(4S)	10m	Iron











Battery Type							
Lithium Iron	Phosphate						
Model Name	Product Identification No.	Pole Shape	Solar Panel	LED Lamp	Battery Capacity	Product Height	Pole Material
HSS-MS40F5	25255994	Circular	80Wp × 2EA	40W	110 <b>Ah</b> / 12.8 <b>V(4S)</b>	5m	Stainless Steel
HSS-MF40F5	25255995	Circular	80Wp × 2EA	40W	110 <b>Ah</b> / 12.8 <b>V(4S)</b>	5m	Iron
HSS-MS50F5	25255990	Circular	100Wp × 2EA	50W	135 <b>Ah</b> / 12.8 <b>V(4S)</b>	5m	Stainless Steel
HSS-MF50F5	25255992	Circular	100Wp × 2EA	50W	135 <b>Ah</b> / 12.8 <b>V(4S)</b>	5m	Iron
HSS-MS60F6	25255986	Circular	120Wp × 2EA	60W	160 <b>Ah</b> / 12.8 <b>V(4S)</b>	6m	Stainless Steel
HSS-MF60F6	25255988	Circular	120Wp × 2EA	60W	160 <b>Ah</b> / 12.8 <b>V(4S)</b>	6m	Iron
HSS-MS100F9	25255982	Circular	150Wp × 2EA	100W	220 <b>Ah</b> / 12.8 <b>V(4S)</b>	9m	Stainless Steel
HSS-MF100F9	25255984	Circular	150Wp × 2EA	100W	220 <b>Ah</b> / 12.8 <b>V(4S)</b>	9m	Iron
HSS-MS100F10	25255978	Circular	150Wp × 2EA	100W	220 <b>Ah</b> / 12.8 <b>V(4S)</b>	10m	Stainless Steel
HSS-MF100F10	25255980	Circular	150Wp × 2EA	100W	220 <b>Ah</b> / 12.8 <b>V(4S)</b>	10m	Iron

#### Premium Solar Street Lights Performance Certification



**Battery Type** 



**Monitoring System** 



**Patent/Certifications** 

Patent (10-2163719) Applied, KC Certification, CE Certification, G-PASS Certification, Good Soft Certification, Performance Certification ( ) 

G-PASS Certification, Good Soft Certification, Performance Certification







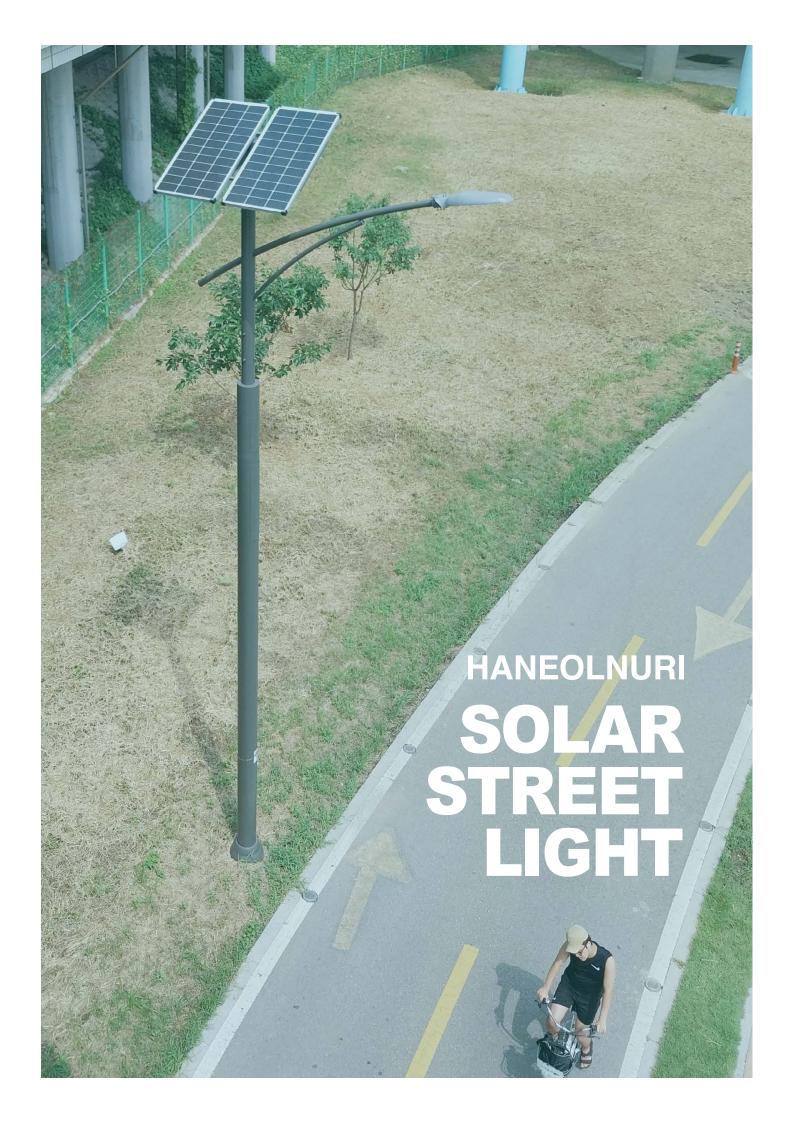


### **Lithium Iron Phosphate**

Model Name	Product Identification No.	Pole Shape	Solar Panel	LED Lamp	Battery Capacity	Product Height	Pole Material
HSSP-S40W5M	25255964	Circular	80Wp × 2EA	40W	110Ah / 12.8V(4S)	5m	Stainless Steel
HSSP-F40W5M	25255963	Circular	80Wp × 2EA	40W	110Ah / 12.8V(4S)	5m	Iron
HSSP-S50W5M	25255966	Circular	100Wp × 2EA	50W	135Ah / 12.8V(4S)	5m	Stainless Steel
HSSP-F50W5M	25255965	Circular	100Wp × 2EA	50W	135Ah / 12.8V(4S)	5m	Iron
HSSP-S60W6M	25255968	Circular	120Wp × 2EA	60W	160Ah / 12.8V(4S)	6m	Stainless Steel
HSSP-F60W6M	25255967	Circular	120Wp × 2EA	60W	160Ah / 12.8V(4S)	6m	Iron

Haneolnuri Premium Model with Performance Certification Procurement Name





# CONNECTED SOLAR STREET **LIGHTS**

 Automatically switches to grid power when solar power generation is insufficient for street light operation

#### **Standard Features**



Patent-Verified Power Controller



Power control through real-time input/output power measurement



**Provides various information** via Graphic LCD



Built-in sunrise/sunset information



Equipped with LED dimming function



**Bidirectional Monitoring & Remote Control System** 



High-Reliability Wireless Communication via LoRa or Cat1.bis



Remote Control of Lighting On/Off Times



Monitoring system included











#### **Battery Type**

#### **Lithium Iron Phosphate**

Model Name	Product Identification No.	Pole Shape	Solar Panel	LED Lamp	Battery Capacity	Product Height	Pole Material
HSS-SS60F6AC_Link	25408424	Circular	80Wp × 2EA	60W	110Ah / 12.8V(4S)	6m	Stainless Steel
HSS-SF100F9AC_Link	25408425	Circular	100Wp × 2EA	100W	135Ah / 12.8V(4S)	9m	Iron









**Patent/Certifications** 

Patent (10-2163719) Applied, KC Certification, CE Certification, G-PASS Certification, Good Soft Certification









#### **Battery Type**

#### **Lithium Iron Phosphate**

Model Name	Product Identification No.	Pole Shape	Solar Panel	LED Lamp	Battery Capacity	Product Height	Pole Material
HSS-MF60F6AC_Link	25408427	Circular	80Wp × 2EA	60W	110Ah / 12.8V(4S)	6m	Iron
HSS-MS60F6AC_Link	25408429	Circular	80Wp × 2EA	60W	110Ah / 12.8V(4S)	6m	Stainless Steel
HSS-MS100F9AC_Link	25408433	Circular	100Wp × 2EA	100W	135Ah / 12.8V(4S)	9m	Stainless Steel

#### **Battery Type**

#### Lithium-Ion

Model Name	Product Identification No.	Pole Shape	Solar Panel	LED Lamp	Battery Capacity	Product Height	Pole Material
HSS-MF60L6AC_Link	25408426	Circular	80Wp × 2EA	60W	95Ah / 14.8V(4S)	6m	Iron
HSS-MS60L6AC_Link	25408428	Circular	80Wp × 2EA	60W	95Ah / 14.8V(4S)	6m	Stainless Steel
HSS-MF100L9AC_Link	25408430	Circular	100Wp × 2EA	100W	115Ah / 14.8V(4S)	9m	Iron
HSS-MS100L9AC_Link	25408432	Circular	100Wp × 2EA	100W	115Ah / 14.8V(4S)	9m	Stainless Steel

#### Haneolnuri Power System Linked Model Procurement Name HANEOLNURI S: Circular S: Monitoring Not Available S: Stainless Steel **LED** lamp L: Lithium-Ion Pole **Grid-Connected SOLAR STREET** R: Rectangular M : Monitoring Available F: Iron Powe(W) F: Lithium Iron Height(m) LIGHT H: Hybrid Phosphate

## HYBRID SOLAR STREET LIGHTS

#### **Standard Features**



Patent-Verified Power Controller



**Provides various information** via Graphic LCD



**Equipped with LED** dimming function



Power control through real-time input/output power measurement



Built-in sunrise/sunset information



Monitoring system is included



**Bidirectional Monitor**ing & Remote Control System



Minimized noise from wind turbine blade rotation



**Remote Control of Lighting On/Off Times** 



**Hybrid Energy System Utilizing** Solar as the Primary Source and Wind as a Supplemental Source



High-Reliability Wireless Communication via LoRa or Cat1.bis



Capable of Harnessing Wind Generated by Passing Vehicles, Allowing Stable Power Generation in Various Environments









**Patent/Certifications** 

Patent (10-2163719) Applied, KC Certification, CE Certification, G-PASS Certification, Good Soft Certification





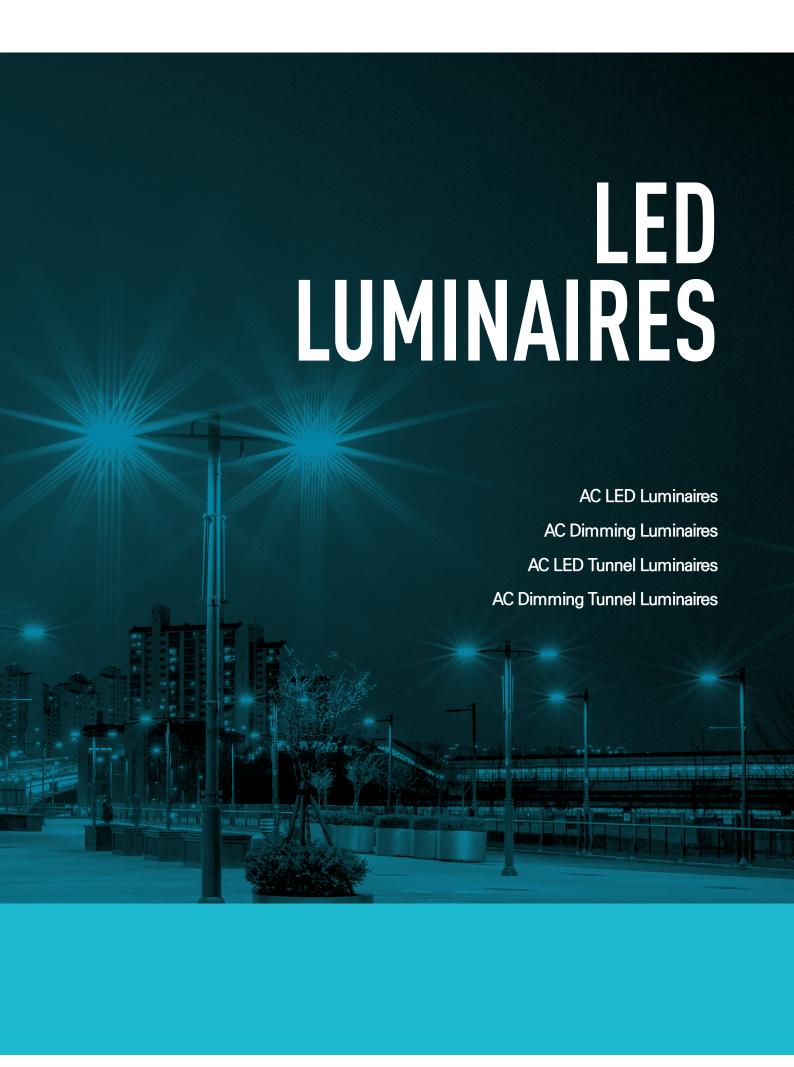
#### Battery Type

#### Lithium-Ion

Model Name	Product Identification No.	Pole Shape	Solar Panel	LED Lamp	Battery Capacity	Product Height	Pole Material	Wind Power Generation
HSH-MS50L6T	25666269	Circular	100Wp × 2EA	50W	115Ah / 14.8V(4S)	6m	Stainless Steel	Тор
HSH-MS60L6T	25666270	Circular	120Wp × 2EA	60W	140Ah / 14.8V(4S)	6m	Stainless Steel	Тор
HSH-MS75L6T	25666271	Circular	120Wp × 2EA	75W	200Ah / 14.8V(4S)	6m	Stainless Steel	Тор
HSH-MS75L9T	25666272	Circular	120Wp × 2EA	75W	200Ah / 14.8V(4S)	9m	Stainless Steel	Тор
HSH-MS100L9T	25666273	Circular	150Wp × 2EA	100W	200Ah / 14.8V(4S)	9m	Stainless Steel	Тор
HSH-MS125L9T	25666286	Circular	150Wp × 2EA	125W	230Ah / 14.8V(4S)	9m	Stainless Steel	Тор
HSH-MS150L9T	25666274	Circular	150Wp × 2EA	150W	280Ah / 14.8V(4S)	9m	Stainless Steel	Тор
HSH-MS50L6M	25666275	Circular	100Wp × 2EA	50W	115Ah / 14.8V(4S)	6m	Stainless Steel	Central
HSH-MS60L6M	25666276	Circular	120Wp × 2EA	60W	140Ah / 14.8V(4S)	6m	Stainless Steel	Central
HSH-MS75L6M	25666277	Circular	120Wp × 2EA	75W	200Ah / 14.8V(4S)	6m	Stainless Steel	Central
HSH-MS75L9M	25666278	Circular	120Wp × 2EA	75W	140Ah / 14.8V(4S)	9m	Stainless Steel	Central
HSH-MS100L9M	25666279	Circular	150Wp × 2EA	100W	200Ah / 14.8V(4S)	9m	Stainless Steel	Central
HSH-MS125L9M	25666280	Circular	150Wp × 2EA	125W	230Ah / 14.8V(4S)	9m	Stainless Steel	Central
HSH-MS150L9M	25666285	Circular	150Wp × 2EA	150W	280Ah / 14.8V(4S)	9m	Stainless Steel	Central







# **AC LED**

Luminaires

Operates on AC input, uses high-quality, high-efficiency converters for extended lifespan and energy savings, and has obtained high-efficiency equipment certification.









	HSL-L25A	HSL-L50A	HSL-L60A	HSL-L75A	
Product Identification No.	24389412	24389413	24273911	24393367	
Rated Voltage (V)	220 V ~ / 60Hz				
Rated Current (A)	0.12	0.23	0.28	0.34	
Rated Power (W)	25	50	60	75	
Rated Luminous Flux (lm)	2875	5750	6900	8625	
Luminous Efficacy (lm/W)	142	144	139	148	
Correlated Color Temperature (K)	5700	5700	5700	5700	
Color Rendering Index (CRI)	75	75	81	75	
Power Factor	0.97	0.96	0.96	0.97	
IP Rating	66	65	65	65	
Width × Length × Height (mm)	498 × 230 × 105	498 × 230 × 105	498 × 230 × 105	498 × 230 × 105	
Number of Modules	1	2	2	3	

**AC Dimming** Luminaires

Dimming





Allows brightness adjustment for energy saving, enabling users to change the light to the desired brightness.





	HSL-L60AD	HSL-L75AD	HSL-L100AD	HSL-L120AD	
Product Identification No.	24680511	24680501	24680502	24680503	
Rated Voltage (V)	220 V ~ / 60Hz				
Rated Current (A)	0.28	0.35	0.46	0.56	
Rated Power (W)	60	75	100	120	
Rated Luminous Flux (lm)	6900	8625	11500	13800	
Luminous Efficacy (lm/W)	126	131	133	128	
Correlated Color Temperature (K)	5700	5700	5700	5700	
Color Rendering Index (CRI)	85	85	85	86	
Power Factor	0.97	0.97	0.97	0.97	
IP Rating	66	66	66	66	
Width × Length × Height (mm)	498 × 230 × 105	498 × 230 × 105	634 × 271 × 108	634 × 271 × 108	
Number of Modules	2	3	4	4	











1	HSL-L100A	HSL-L120A	HSL-L125A	HSL-L150A	HSL-L200A
	24389416	24254224	24389417	24389418	24389419
	220 V ~ / 60Hz				
	0.45	0.54	0.56	0.67	0.93
	100	120	125	150	200
	11500	13800	14375	17250	23000
	147	139	149	150	141
	5700	5700	5700	5700	5700
	75	81	75	75	65
	0.97	0.97	0.97	0.97	0.97
	65	66	66	65	65
	634 × 271 × 108	634 × 271 × 108	634 × 271 × 108	634 × 271 × 108	634 × 271 × 108
	4	4	5	6	6













1	HSL-L125AD	HSL-L150AD	HSL-L200AD
	24680504	24680505	24680506
	220 V ~ / 60Hz	220 V ~ / 60Hz	220 V ~ / 60Hz
	0.58	0.68	0.92
	125	150	200
	14375	17250	23000
	134	134	128
	5700	5700	5700
	86	85	87
	0.97	0.97	0.97
	66	66	66
	634 × 271 × 108	634 × 271 × 108	634 × 271 × 108
	3	6	6







### **AC Tunnel** Luminaires

Uses housing material that is resistant to corrosion and certified with IP rating to withstand the humid environment inside tunnels.





LITLICOA	HTL-L75A
HTL-L50A	HIL-L/3A

Product Identification No.	24389404	24389405	
Rated Voltage (V)	220 V ~ / 60Hz	220 V ~ / 60Hz	
Rated Current (A)	0.24	0.35	
Rated Power (W)	50	75	
Rated Luminous Flux (lm)	5750	8625	
Luminous Efficacy (lm/W)	141	145	
Correlated Color Temperature (K)	5700	5700	
Color Rendering Index (CRI)	76	76	
Power Factor	0.97	0.97	
IP Rating	66	66	
Width × Length × Height (mm)	514 x 408 x 106	514 x 408 x 106	
Number of Modules	2	3	

**AC Dimming** Tunnel Luminaires

Adjustable brightness for improved driver visibility when entering and exiting tunnels





HTL-L75AD HTL-	-L100AD
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Product Identification No.	24680507	24680508
Rated Voltage (V)	220 V ~ / 60Hz	220 V ~ / 60Hz
Rated Current (A)	0.35	0.45
Rated Power (W)	75	100
Rated Luminous Flux (lm)	8625	11500
Luminous Efficacy (lm/W)	130	130
Correlated Color Temperature (K)	5700	5700
Color Rendering Index (CRI)	86	86
Power Factor	0.97	0.97
IP Rating	66	66
Width $\times$ Length $\times$ Height (mm)	514 × 408 × 106	514 × 408 × 106
Number of Modules	3	4







HTL-L100A	HTL-L150A	HTL-L200A
24292038	24389406	24292039
220 V ~ / 60Hz	HTL-L150A	220 V ~ / 60Hz
0.46	220 V ~ / 60Hz	0.92
100	0.67	200
11500	150	23000
141	17250	145
5700	147	5700
79	5700	80
0.97	76	0.97
66	0.97	66
514 x 408 x 106	683 x 408 x 106	683 x 408 x 106
4	6	8











HTL-L150AD	HTL-L200AD
24680509	24680510
220 V ~ / 60Hz	220 V ~ / 60Hz
0.68	0.89
150	200
17250	23000
131	136
5700	5700
85	86
0.97	0.97
66	66
683×408×106	683 × 408 × 106
6	8
	-











Solar Streetlight Power Controllers

#### HSPC1

**⊕ €** C€ **∞** 

Transmits and receives real-time data by connecting an external LoRa modem



#### HSPC3

Collects, records, and remotely controls bidirectional data via builtin LoRa and Cat.1 bis modules



#### 1 Battery Efficiency **Management System**

- · Optimize power efficiency based on real-time input/output measurements
- Maximize battery charging efficiency with MPPT functionality
- · Extend battery life and minimize energy waste

#### 4 Smart Metering & User-**Centric UI**

- Provide a simple, easy-to-read interface with a graphic LCD
- · Separate the information display and settings screens for convenient
- · Restore default settings easily with a factory reset function

#### 2 Bidirectional Monitoring & Remote Control

- · Ensure stable and reliable remote communication using global standard networks such as LoRa and LTE Cat,1 bi
- · Check system status in real time
- Control lighting remotely with features such as forced on/off, reset, and time setting

#### **5** Smart Sensor Integration for Energy Saving

- Detect human presence and movement using a motion detection sensor
- · Control lighting based on sensor signals received by the power controller
- · Adjust brightness according to ambient conditions for optimal energy savings

#### 3 LED Lamp Dimming Control

- · Automatically turn lights on/off based on sunrise and sunset data
- Adjust brightness with Al-based dimming control according to battery levels
- Fine-tune lamp output for precise brightness control
- · Create smooth and natural lighting with soft turn on/off functionality



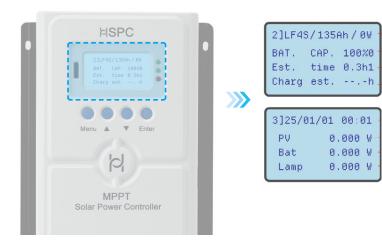


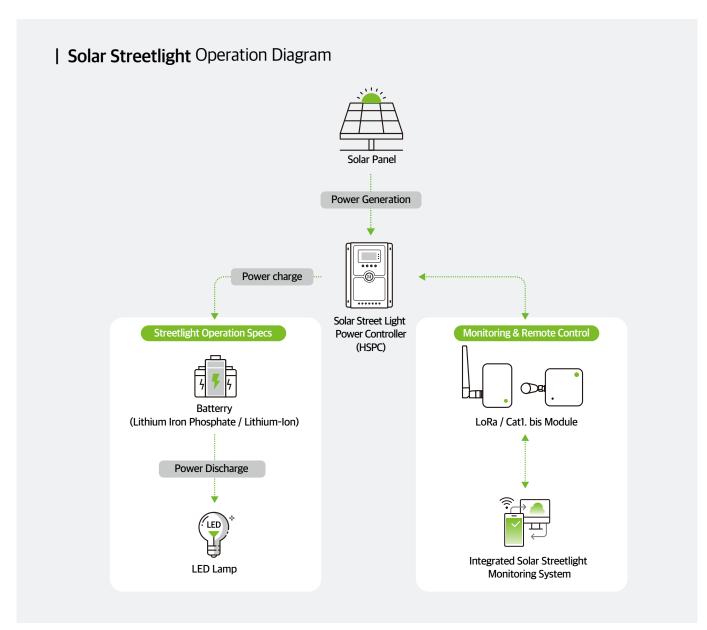


Solar Street Light and Its Operation Method

#### **LCD Display Information**

- Date, time, battery type and capacity, lamp power
- Real-time current, voltage, and power for solar panel, battery, and lamp
- Estimated lighting availability time
- Estimated battery full charge time
- Cumulative power generation, charging, and power consumption





**Bidirectional Monitoring and Remote Control System** 

Monitor and control the status of solar streetlights anytime, anywhere through real-time wireless data collection and remote control, all managed securely on an integrated platform



Stay connected and in control with a smart bidirectional system

designed for real-time monitoring from anywhere.



#### 1 Support for Multiple **Communication Methods**

- Choose between LoRa or Cat,1 bis depending on the installation environment
- Ensure zero data loss with highly reliable wireless communication

#### 4 Integrated Security Management

- · Securely store and manage all collected data
- Utilize an all-in-one structure that integrates monitoring and security

#### 2 Remote Control Functions

- · Remotely force lights on/off or initialize the system
- Set lighting on/off schedules
- · Respond remotely in case of construction or emergency situations

#### 3 Device-Optimized Monitoring

- · Access via PC, smartphone, or tablet
- · Use a web-based dashboard to monitor and control from anywhere

#### 5 Real-Time Wireless Data Collection

- Collect and transmit solar streetlight status data wirelessly in real time
- Maintain communication reliability with expanded transmission bands to eliminate transmission errors
- · Automatically transmit over 20 data types including power generation, charge levels, and discharge levels

### **Remote Monitoring**

#### | Mobile Screen







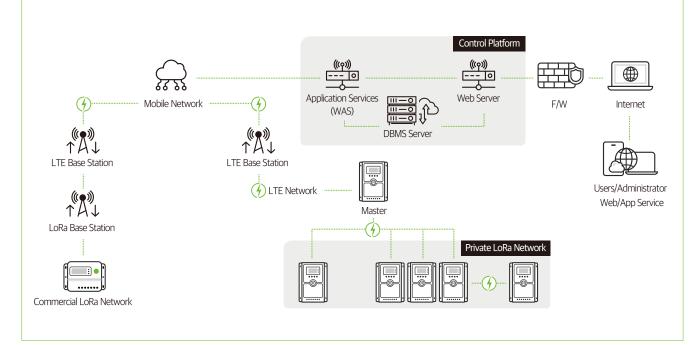
#### | PC Screen





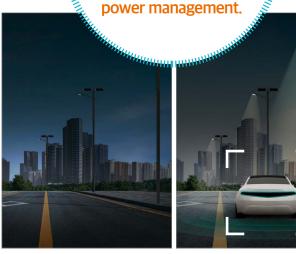


#### | Bidirectional System Diagram



**Motion Detection Sensor** 

Detect movement on the street to automatically adjust the brightness of the light, enabling more efficient power management.





- 1 Manage solar streetlight energy efficiency using sensor-based control
- 2 Easily install inside the lighting for convenient use
- 3 Compatible with various manufacturers and lighting specifications
- 4 Control remotely via PC or mobile through the remote control system
- 5 Equipped with 24GHz radar sensor and illuminance sensor

# HSDC

**LED Lighting Controller** 





		_
	Standard Lighting Controller 🔵 🎉	Web-Type Lighting Controller 🥮
Product ID Number	- 25803206	
Automatic Time Correction	Maintain accurate time during power outages with a built-in blackout compensation circuit	<ul> <li>Maintain accurate time during power outages with a built-in blackout compensation circuit</li> <li>Correct time discrepancies automatically</li> </ul>
Sunrise/Sunset Tracking Function	<ul><li>Control lighting based on built-in sunrise/sunset data</li><li>Set desired lighting times manually</li></ul>	<ul> <li>Control lighting based on built-in sunrise/sunset data</li> <li>Adjust lighting schedules via remote control system</li> </ul>
Midnight Off & Dimming Control Function	Turn off or dim lights during late-night hours based on local environmental conditions	<ul> <li>Set late-night lighting schedules remotely via the control system</li> </ul>
Dimming Control Function	Set preferred dimming levels in 7 steps	Adjust dimming levels remotely in multiple stages
Power Information Monitoring	<ul> <li>Measure voltage, current, power consumption, and cumulative energy usage</li> </ul>	<ul> <li>Measure voltage, current, power consumption, and cumulative energy usage</li> </ul>
Wireless Remote Fault Monitoring & Control Function		<ul> <li>Diagnose equipment status in real time using live data</li> <li>Detect LED fixture converter malfunctions</li> <li>Manage power based on lighting and dimming status</li> <li>Detect power outages instantly</li> </ul>
Group Control Function		Configure and control selected devices in groups
Long-Range Wireless Communication		Enable high-quality wireless communication using LoRa
Sensor Support (Optional)	<ul> <li>Detect movement using a 24GHz radar sensor</li> <li>Monitor ambient brightness through an illuminance sensor connection</li> </ul>	<ul> <li>Detect movement using a 24GHz radar sensor</li> <li>Monitor ambient brightness through an illuminance sensor connection</li> </ul>



# **Stainless Steel** Street Light Poles



# HAN-SP02



Specification	HAN-SP02-41	HAN-SP02-51	
Identification No.	24481099	24481100	
Type	Stainless Steel Streetlight Poles		
Characteristics	4m, Single Light	5m, Single Light	
Options	Luminaires, Ballast, Lamp, HSPC, and Base Cover		

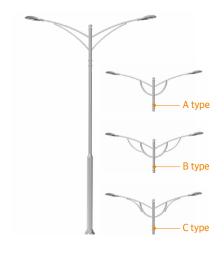


# HAN-SP08





Specification	HAN-SP05-82	H⊣AN-SP05-92	HAN-SP05-102
Identification No.	24485333	24485332	24485331
Туре	Stainless Steel Streetlight Poles		
Characteristics	8m, Single Light + Pedestrian Light	9m, Single Light + Pedestrian Light	10m, Single Light + Pedestrian Light
Options	Luminaires, Ballast, Lamp, HSPC, and Base Cover		

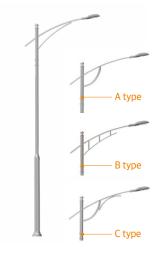


# HAN-SP05





Specification	HAN-SP05-82	HAN-SP05-92	HAN-SP05-102	
Identification No.	24485336	24485335	24485334	
Туре	Stainless Steel Streetlight Poles			
Characteristics	8m, Double Light 9m, Double Light 10m, Double Light			
Options	Luminaires, Ballast, Lamp, HSPC, and Base Cover			



# HAN-SP05



Specification	HAN-SP05-81	HAN-SP05-91	HAN-SP05-101
Identification No.	24485345	24485344	24485343
Type	Stainless Steel Streetlight Poles		
Characteristics	8m, Single Light	9m, Single Light	10m, Single Light
Options	Luminaires, Ballast, Lamp, HSPC, and Base Cover		

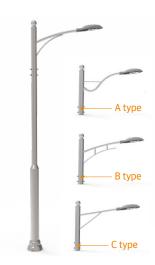


# HAN-SP01





Specification	HAN-SP01-42	HAN-SP01-52	
Identification No.	24485351	24485350	
Туре	Stainless Steel Streetlight Poles		
Characteristics	5m, Double Light 5m, Double Light		
Options	Luminaires, Ballast, Lamp, HSPC, and Base Cover		



# HAN-SP01



Specification	HAN-SP01-51	
Identification No.	24485356	
Type	Stainless Steel Streetlight Poles	
Characteristics	5m, Single Light	
Options	Luminaires, Ballast, Lamp, HSPC, and Base Cover	

# Iron Street Light Poles



# HAN-CP01



Specification	HAN-CP01-51
Identification No.	24481102
Туре	Iron streetlight poles
Characteristics	5m, Single Light
Options	Luminaires, Ballast, Lamp, HSPC, and Base Cover



# HAN-CP02





Specification	HAN-CP02-41	HAN-CP02-51	
Identification No.	24481103	24481104	
Туре	Iron streetlight poles		
Characteristics	4m, Single Light	5m, Single Light	
Options	Luminaires, Ballast, Lamp, HSPC, and Base Cover		



# HAN-CP04



Specification	HAN-CP04-81	HAN-CP04-91	HAN-CP04-101
Identification No.	24481108	24481109	24481110
Туре	Iron streetlight poles		
Characteristics	8m, Single Light	9m, Single Light	10m, Single Light
Options	Luminaires, Ballast, Lamp, HSPC, and Base Cover		



# HAN-CP03





Specification	HAN-CP03-81	HAN-CP03-91	HAN-CP03-101
Identification No.	24481105	24481106	24481107
Туре	Stainless Steel Streetlight Poles		
Characteristics	8m, Double Light	9m, Double Light	10m, Double Light
Options	Luminaires, Ballast, Lamp, HSPC, and Base Cover		



# HAN-CP03





Specification	HAN-CP03-82	HAN-CP03-92	HAN-CP03-102
Identification No.	24481111	24481112	24481113
Type	Stainless Steel Streetlight Poles		
Characteristics	8m, Double Light	9m, Double Light	10m, Double Light
Options	Luminaires, Ballast, Lamp, HSPC, and Base Cover		



# HAN-CP05





Specification	HAN-CP05-82	HAN-CP05-92	HAN-CP05-102
Identification No.	24481114	24481115	24481116
Туре	Stainless Steel Streetlight Poles		
Characteristics	8m, Single Light + Pedestrian Light	9m, Single Light + Pedestrian Light	10m, Single Light + Pedestrian Light
Options	Luminaires, Ballast, Lamp, HSPC, and Base Cover		



# HAN-CP01





Specification	HAN-CP01-52
Identification No.	24485329
Туре	Stainless Steel Streetlight Poles
Characteristics	5m, Double Light
Options	Luminaires, Ballast, Lamp, HSPC, and Base Cover

# ACTUAL CONSTRUCTION

# Accessories



Specification	HAN-ACA-02
Туре	Street Light Pole Accessories
Identification No.	24488496
Characteristics	Pedestrian Light Arm, Single Light



Specification	HAN-ACA-03
Туре	Street Light Pole Accessories
Identification No.	24488494
Characteristics	Pedestrian Light Arm, Single Light



Specification	HAN-ACA-04
Туре	Street Light Pole Accessories
Identification No.	24488498
Characteristics	Pedestrian Light Arm, Single Light



Specification	HAN-ACA-05
Туре	Street Light Pole Accessories
Identification No.	24488500
Characteristics	Pedestrian Light Arm, Single Light



Specification	HAN-ACA-07
Туре	Street Light Pole Accessories
Identification No.	24485328
Characteristics	Park Light Arm, Single Light



Specification	HAN-ACA-08
Туре	Street Light Pole Accessories
Identification No.	24485327
Characteristics	Park Light Arm, Double Light



Specification	HAN-ACA-09
Туре	Street Light Pole Accessories
Identification No.	24485326
Characteristics	Street Light Arm, Single Light



Specification	HAN-AC-01
Туре	Street Light Pole Accessories
Identification No.	24485324
Characteristics	Base Cover



Specification	HAN-AC-02
Туре	Street Light Pole Accessories
Identification No.	24485323
Characteristics	Base Cover

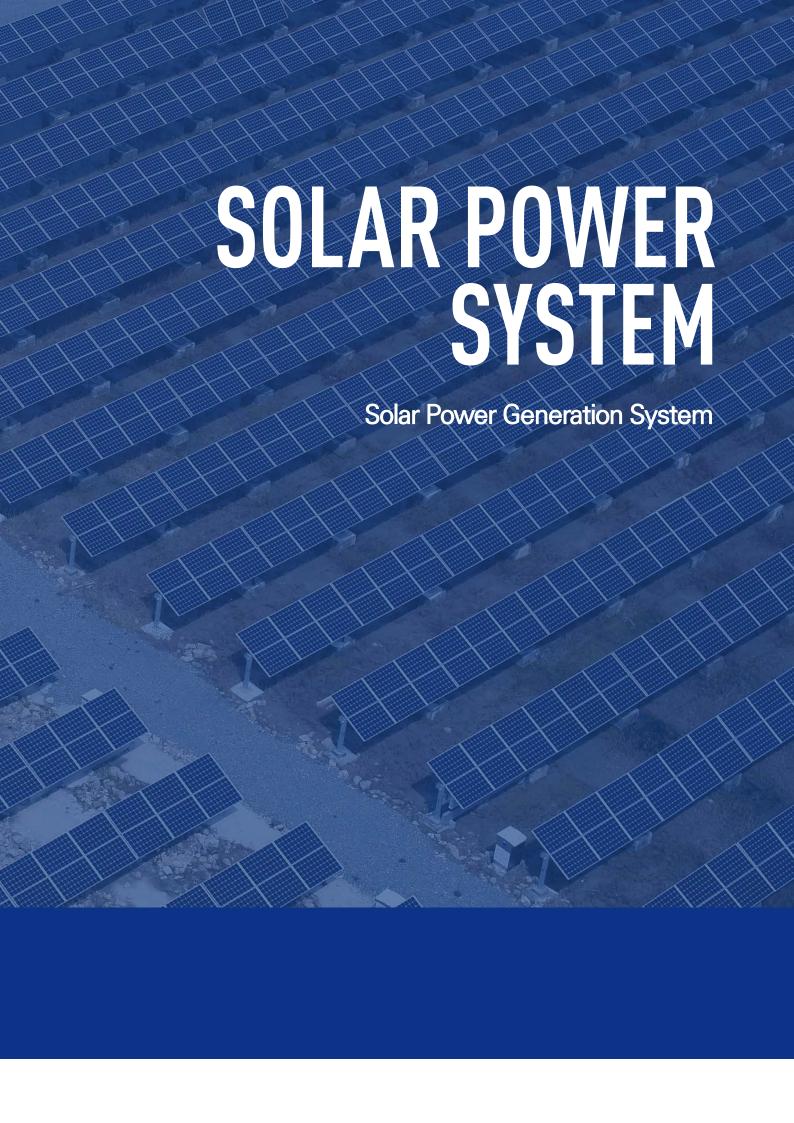


Specification	HAN-AC-03
Туре	Street Light Pole Accessories
Identification No.	24485322
Characteristics	Flag Holder, Dual Socket



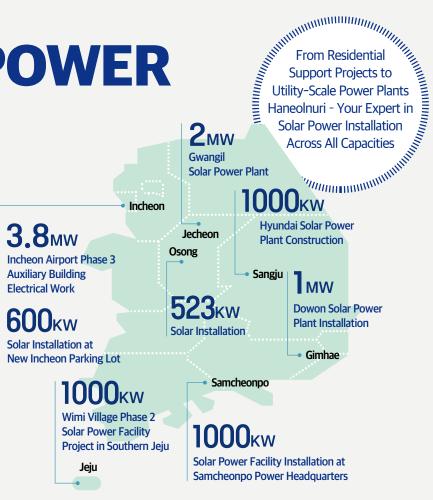
Specification	HAN-AC-04
Туре	Street Light Pole Accessories
Identification No.	24485321
Characteristics	Banner Holder





**SOLAR POWER SYSTEM** 

**Solar Power Generation System** 







Specification	Identification No.	Rated Current	Module	
HAN-Hi SPV03OT	25386522	3kW	6	
HAN-Hi SPV05OT	25386523	5kW	10	-
HAN-Hi SPV100T	25386524	10kW	19	
HAN-Hi SPV15OT	25386525	15kW	28	Rated Power per Module : 550W
HAN-Hi SPV20OT	25386526	20kW	37	Open Circuit Voltage : 49.3V Short Circuit Current : 13.62A
HAN-Hi SPV25OT	25386527	25kW	46	Maximum Operating Current : 12.99A
HAN-Hi SPV30OT	25386528	30kW	55	Maximum Operating Voltage : 42.4V
HAN-Hi SPV35OT	25386529	35kW	64	Module Dimensions : $2290 \times 1134 \times 35$ mm
HAN-Hi SPV400T	25386530	40kW	73	Module Weight: 28.9kg
HAN-Hi SPV45OT	25386531	45kW	82	Components : Module, Junction Box, Inverter, Mounting Structure
HAN-Hi SPV50OT	25386532	50kW	91	
HAN-Hi SPV75OT	25386533	75kW	137	_
HAN-Hi SPV1000T	25386534	100kW	182	-





Specification	Identification No.	Rated Current	Module	
HAN-Hi SPV03MT	25386509	3kW	6	
HAN-Hi SPV05MT	25386510	5kW	10	_
HAN-Hi SPV10MT	25386511	10kW	19	
HAN-Hi SPV15MT	25386512	15kW	28	Rated Power per Module : 550W
HAN-Hi SPV20MT	25386525	20kW	37	Open Circuit Voltage : 49.3V Short Circuit Current : 13.62A
HAN-Hi SPV25MT	25386514	25kW	46	Maximum Operating Current : 12.99A
HAN-Hi SPV30MT	25386515	30kW	55	Maximum Operating Voltage : 42.4V
HAN-Hi SPV35MT	25386516	35kW	64	Module Dimensions : $2290 \times 1134 \times 35$ mm
HAN-Hi SPV40MT	25386517	40kW	73	Module Weight : 28.9kg
HAN-Hi SPV45MT	25386518	45kW	82	Components : Module, Junction Box, Inverter, Mounting Structure
HAN-Hi SPV50MT	25386519	50kW	91	
HAN-Hi SPV75MT	25386520	75kW	137	
HAN-Hi SPV100MT	25386521	100kW	182	





Specification	Identification No.	Rated Current	Module	
HAN-Hi SPV03ST	25386496	3kW	6	
HAN-Hi SPV05ST	25386497	5kW	10	
HAN-Hi SPV10ST	25386498	10kW	19	_
HAN-Hi SPV15ST	25386499	15kW	28	Rated Power per Module : 550W
HAN-Hi SPV20ST	25386500	20kW	37	Open Circuit Voltage : 49.3V Short Circuit Current : 13.62A
HAN-Hi SPV25ST	25386501	25kW	46	Maximum Operating Current : 12.99A
HAN-Hi SPV30ST	25386502	30kW	55	Maximum Operating Voltage : 42.4V
HAN-Hi SPV35ST	25386503	35kW	64	Module Dimensions : 2290 × 1134 × 35mm
HAN-Hi SPV40ST	25386504	40kW	73	Module Weight : 28.9kg
HAN-Hi SPV45ST	25386505	45kW	82	Components : Module, Junction Box, Inverter, Mounting Structure
HAN-Hi SPV50ST	25386506	50kW	91	
HAN-Hi SPV75ST	25386507	75kW	137	_
HAN-Hi SPV100ST	25386508	100kW	182	

# **Solar Power** System Installation Cases



Jecheon City | Gwangil Solar Power Plant



Jecheon City | Medicinal Crop Seed Supply Center



Cheongju City | Government Office Solar Facility



Jecheon City | Administrative Welfare Center in Hwasan-dong



**Danyang County |** Comprehensive Waste Treatment Plant



Danyang County | Sewage Treatment Plant



Danyang County | Dasarang Nursing Home



Danyang County | Pureun Solar Power Plant



Danyang County | Gasan Solar Power Plant



Danyang County | Hyeongok Solar Power Plant



Incheon Airport





Hongcheon County | Sampo Solar Power Plant



Sangju City | Hyundai Solar Power Plant



Cheongju City | Pungju Buddhist Meditation



Jeungpyeong County | Namsunnam Co., Ltd.



Hoengseong County | NH Hoengseong Cold Storage Logistics Center



Osan LG CS Campus



Cheongju City | Osong Healthcare Complex



Cheongju City | M-Plus Oksan Plant



Chungju City | Hoam Gymnasium



NH Chungnam Regional Headquarters



NH Chungbuk Regional Headquarters



Jeju City | SM Solar Power Plant



**Danyang County |** Guinsa International Buddhist Meditation Center



Gimje City | Nonghyup Mokuchon



Incheon City | Intercity 365 Hotel, Magok District



Daegu City | Kumho Apartment



Danyang County | Sobaeksan Recreational Forest



Jeongseok Solar Power Plant



Jeungpyeong County | DNP Corporation



Goseong County | Cheonhwangsan Solar Power Plant



Korea Limestone New Materials Research Center



Ganghwado Island | Solar Installation Project

# Residential Solar Support Program



Welfare Center in Seolmadong District, Danyang



Jeongan Agricultural Cooperative



Danyang | Housing



Jincheon | Housing



Cheongju | Housing



Okcheon | Housing



Yeongdong | Housing



Sang 2-ri Senior Center



Singuri Senior Center



Fermentation Village



Gapyeong | Housing



Goesan | Housing



Dongducheon | Housing

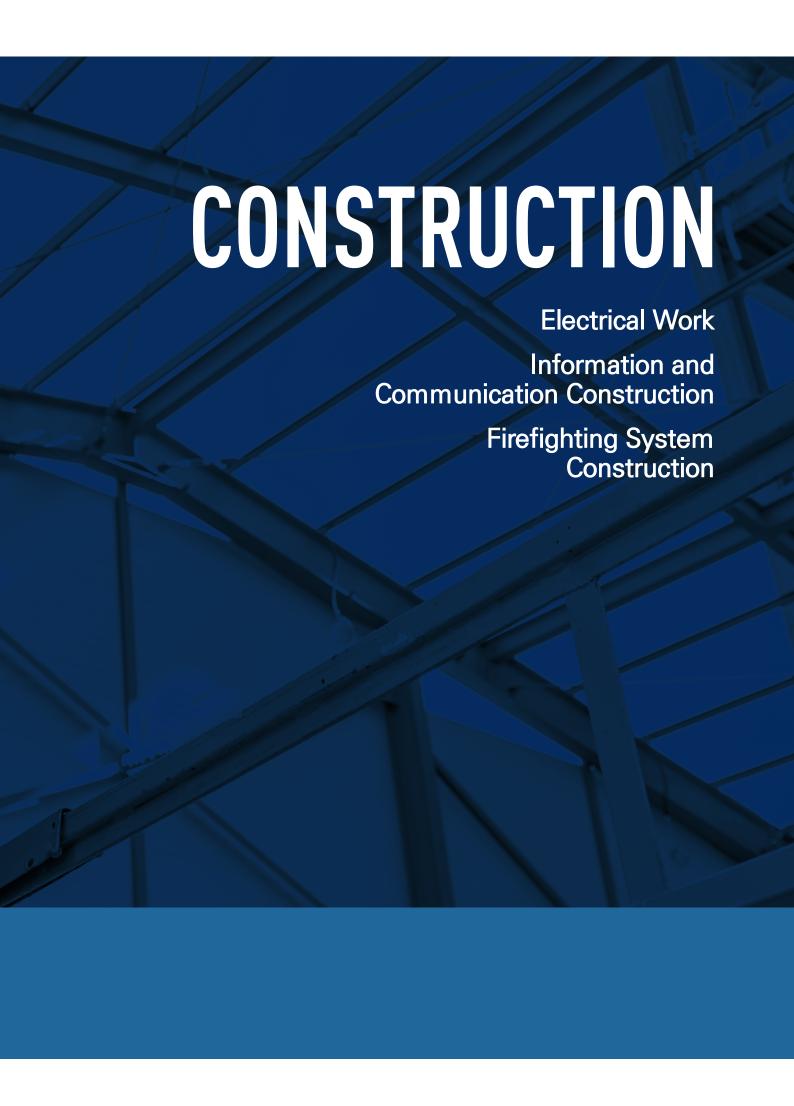


Cheongju | Housing



Pyeongchang | Housing





# Electrical Work



**Power Receiving Equipment** 



**Distribution Works** 



Railway Electrical & Signal Systems



**Building Construction** 



**Electrical Interior Works** 



**Electrical Interior Works** 



**Apartment Construction** 



**Plant Construction** 



**University Construction** 



Landscape Lighting



LED Landscape Lighting



Plant Lighting



**Road Lighting** 



Interior Lighting



**General Lighting** 

# Information and Communication Construction







# **DC Construction Project**

Replacement and expansion of DC equipment exceeding its service life(Rectifiers, DC urban systems, DC distribution panels, converters, air conditioners, etc.)







# **AC Construction Project**

Replacement and expansion of power distribution/UPS facilities exceeding their service life(Power distribution facilities, uninterruptible power supplies, STS facilities)







# Storage Battery Construction Project

Replacement and maintenance of batteries exceeding their service life and defective batteries(Battery replacement projects, replacement of cells with defective voltage and impedance)





# **High-Speed Internet Project**

Support for mobile generator cars to stabilize power facilities (BBS, BBC, BBH, BBP, etc.)







# **Generator Construction Project**

Replacement and maintenance of generators exceeding their service life and defective facilities(Replacement and maintenance of generators from 10kW to 6,000kW)







# **Grounding Construction Project**

Construction and enhancement of grounding facilities for information and communication facilities (Communication, security, lightning protection work)







# High-Altitude Relay Station Maintenance and Construction Project

Management of grounding facilities and maintenance work to stabilize power facilities for lightning protection

# Firefighting System Construction



Fire Extinguishing Systems



**Firefighting MCC Panels** 



**Alarm Systems** 



Detectors



**Simplified Sprinklers** 



**Firefighting Hydrant Systems** 



Firefighting Piping Systems



Firefighting MCC Panels



**Firefighting Hydrant Systems** 



Fire Shutter Front-End Equipment



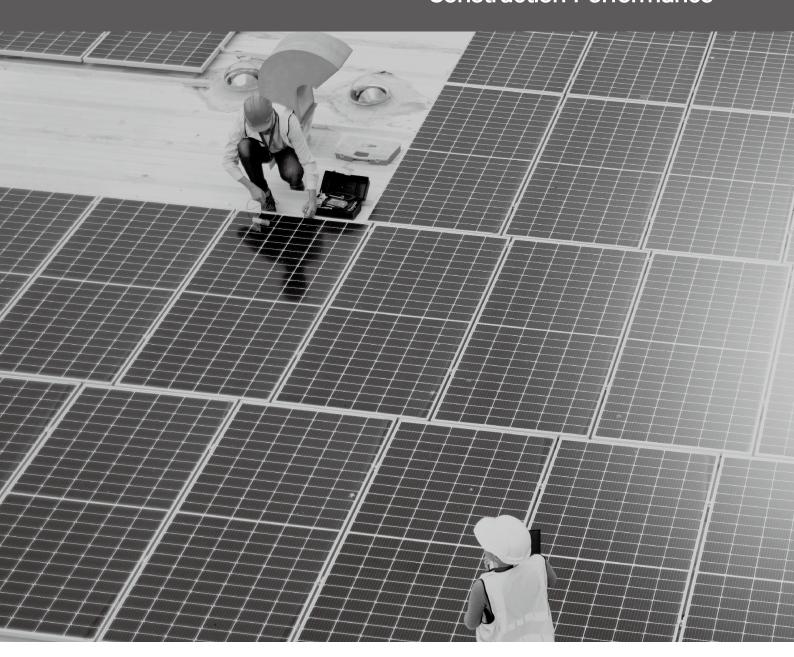
Thermal Insulation Work for Fire Hydrant Piping



**Hydrostatic Test of Fire Hydrant Piping** 

# ACTUAL CONSTRUCTION

Construction Performance



# **Construction Performance**

Project Name	Client	Contract Amount	Completion Date
Transmission / Substation / Distribution			
Okcheon Police Station - Electrical work with government-supplied equipment (solar power system)	Chungbuk Police Agency	277,677	2025. 12
Rural Smart Innovation Center (Youth Hope Center) - New electrical installation / 30kW solar power system	Chungbuk Police Agency	65,300	2025. 12
Public Burial Facility Bongandang Temple - Electrical installation (solar power system)	Okcheon County, Chungbuk	163,796	2025. 10
Danyang County - Solar power system installation for heated slope pavement project / 45kW solar power system	Danyang County, Chungbuk	95,400	2025. 09
Chungbuk Provincial Council & Government Complex 2 - Electrical work with government- supplied equipment (300kW solar power system)	Chungbuk Development Corporation	414,990	2025. 05
Underground cabling project around Gyesan-ro, Yeongdong	KEPCO Chungbuk Headquarters	565,686	2024. 12
Main line installation at Goesan Mini Complex	KEPCO Chungbuk Headquarters	298,340	2024. 04
Utility pole relocation for road expansion on Hapmok-ro, Deoksan-eup	KEPCO Chungbuk Headquarters	136,897	2024. 03
Utility pole relocation for In-gok Industrial Complex access road, Maengdong-myeon	KEPCO Chungbuk Headquarters	327,802	2023. 05
Utility pole relocation for Samo District 1 redevelopment, Sajik-dong	KEPCO Chungbuk Headquarters	209,628	2022. 08
Danyang County Office - Utility pole relocation for Eogokcheon disaster recovery, Eosangcheon-myeon	KEPCO Chungbuk Headquarters	216,622	2022. 03
Hanbit Headquarters - 1.4MW solar power construction on idle land (22.9kV)	Korea Hydro & Nuclear Power Co., Ltd. (KHNP)	299,081	2021. 03
Dodam main line reinforcement (22.9kV, underground distribution)	Korea Electric Power Corporation (KEPCO)	142,627	2020. 11
Samcheonpo Power Headquarters - Solar system installation using idle facilities (22.9kV)	Korea South-East Power Corporation (KOEN)	844,313	2020. 11
Utility pole relocation for road widening in Sangjin-ri, Danyang-eup (22.9kV, uninterruptible)	Korea Electric Power Corporation (KEPCO)	166,894	2019. 07
Non-flame-retardant cable replacement within power conduit (22.9kV, underground distribution)	Korea Electric Power Corporation (KEPCO)	193	2018. 12
154kV Danyang-Yeongwol CC T/L No. 49 safety clearance project	KEPCO Chungbuk Headquarters	224,498	2018. 01
Main line installation at Jeungpyeong Industrial Complex 2 (22.9kV, uninterruptible)	Korea Electric Power Corporation (KEPCO)	179,561	2017. 12
Jecheon S/S Geumseong D/L capacity expansion project (22.9kV, uninterruptible)	KEPCO Chungbuk Headquarters	138,876	2017. 02
345kV Sinokcheon-Bukgyeongnam T/L lightning arrester installation	KEPCO Chungbuk Headquarters	337,039	2016. 11
Nae-buk Gung district dike heightening utility pole relocation (phase 2, 22.9kV)	KEPCO Chungbuk Headquarters	118,261	2015. 04
345kV Seoanseong-Sinjincheon T/L tower foundation reinforcement	KEPCO Chungbuk Headquarters	459,046	2014. 12
Woljeong-ri Offshore Wind Power Plant 2 - Subsea cable connection (154kV)	Pyungil Co., Ltd.	128,480	2012. 03
Danyang S/S - 154kV and #2 Shunt Capacitor installation	KEPCO Jecheon Construction Office	132,416	2011. 08
66kV power supply line relocation in the Sintanjin section due to civil complaints	Union Co., Ltd.	307,492	2011. 06
Woljeong-ri Offshore Wind Power Plant 1 - Subsea cable connection (154kV)	Pyungil Co., Ltd.	143,504	2011. 05
2010 KEPCO Danyang Branch - High Voltage Contract A Project (22.9kV, uninterruptible)	KEPCO Danyang Branch	760,403	2010. 12
2010 KEPCO Danyang Branch - High Voltage Contract A Project (22.9kV, underground)	KEPCO Danyang Branch	359,716	2010. 12
Hyundai Steel Dangjin Plant - 3.3kV and 6.6kV cable connection	Pyungil Co., Ltd.	175,000	2010. 02
2009 KEPCO Danyang Branch - High Voltage Contract A Project (22.9kV, uninterruptible)	KEPCO Danyang Branch	1,056,025	2009. 12
2009 KEPCO Danyang Branch - High Voltage Contract A Project (22.9kV, underground)	KEPCO Danyang Branch	521,788	2009. 12
2007 KEPCO Danyang Branch - High Voltage Contract B Project (22.9kV, uninterruptible) - 2008 Construction	KEPCO Danyang Branch	1,402,362	2008. 12
2007 KEPCO Danyang Branch - High Voltage Contract B Project (22.9kV, uninterruptible) - 2007 Construction	KEPCO Danyang Branch	1,490,141	2007. 12
Kori Unit 2 - Secondary cable maintenance for auxiliary transformer (3.3kV)	KEPCO KPS	108,614	2007. 06
Dongchungju Industrial Complex - Utility pole relocation (22.9kV, uninterruptible)	KEPCO Chungbuk Headquarters	144,602	~
2021 Eumseong Branch - High Voltage Contract B Project (22.9kV, uninterruptible)	Korea Electric Power Corporation (KEPCO)	4,751,778	~
General Electrical (Construction/General)			
Cheongju Industrial Complex - Electrical work for redevelopment project	Cheongju City, Chungbuk	2,035,852	2025. 06
2024 EV Charger Operation Project - Partner contract	GS Charge EV	2,310,000	2025. 06
llsan Paik Hospital - Electrical work for extension and remodeling	Inje University Ilsan Paik Hospital	6,571,000	2025. 06
Goesan County Dementia-Care Nursing Home - Electrical work	Goesan County, Chungbuk	434,724	2025. 04
Jojong Middle & High School - Remodeling and expansion under Green Smart Future School project (electrical work)	Gyeonggi-do Gapyeong Office of Education	853,401	2025. 02
2023 Low-voltage electrical work for Danyang Branch	KEPCO Chungbuk Headquarters	575,252	2024. 12
Gyeongsan Logistics Center - General electrical work for new construction	Jusambu Construction	4,733,454	2024. 08
Dancheon Elementary School - Electrical work for main building asbestos replacement	Danyang Office of Education	60,969	2024. 03

Project Name	Client	Contract Amount	Completion Date
Maseong Detached House (Cullinan Castle) - Electrical work for new construction	Cullinan Castle Co., Ltd.	954,800	2023. 12
Hwanggan-myeon, Yeongdong County - New low-voltage 5kW electric installation for farming use (contracted)	KEPCO Chungbuk Headquarters	137,251	2023. 07
Daegang Elementary and Danyang Middle School - Special class expansion and Wee Class fire facility repair	Danyang Office of Education	42,273	2023. 07
Yeongchun Middle School - Fire protection work for expansion of multipurpose classroom, restroom, and storage	Danyang Office of Education	3,536	2023. 07
2023 Smart Library - Electrical installation	Danyang Library of Education	3,690	2023. 04
947-5 Musil-dong, Wonju - Electrical, communication, and fire protection work for new construction	Won Yong-ho	147,400	2022. 12
2021 High-voltage Type B electrical work for Eumseong Branch	KEPCO Chungbuk Headquarters	9,428,807	2022, 12
Eulsan-ri Multipurpose Hall - Electrical work for new construction	Eulsan-ri Senior Center	47,813	2022. 12
2022 Pneumatic control valve actuator - Purchase and installation	Korea District Heating Corporation, Daegu Branch	43,317	2022. 12
Eco Battery 3rd Campus - Electrical and communication work for BM Welfare Building	EcoPro BM	1,045,000	2022, 11
Banpo Pressurization Station - Protective relay purchase and installation	Korea District Heating Corporation, Seoul Central Branch	105,034	2022. 09
TBN Chungbuk Traffic Broadcasting - Electrical work for new office building (Fuel Cell 10kW)	Korea Traffic Broadcasting Network Chungbuk Headquarters	204,000	2022. 04
Danyang Microorganism Lab - Electrical work for microbial cultivation room under eco-friendly microbial supply expansion project	Danyang County Water and Wastewater Works Office	132,198	2021. 06
Mancheonha Skywalk - Electrical work for transport facility installation	Danyang County Office	154,400	2021. 01
Smart Traffic Convergence Center - Electrical work	Korea National University of Transportation	1,169,276	2020. 12
Ogye-ri, Yeoju - Electrical, communication, and fire protection work for factory facilities	Dongyi Korea Co., Ltd.	177,165	2020. 07
Korea National University of Education - Electrical work for asbestos removal and other construction in Humanities Building	Korea National University of Education	171,926	2020. 03
Sobaeksan Recreational Forest - Electrical and instrumentation control work for water pipeline connection project	Danyang County Office	111,595	2019. 12
Sejung & Wonjeong Districts - Electrical work for small-scale water supply development project	Korea Rural Community Corporation	192,071	2019. 12
Dongchun Block 4, Seohae Grandble - Electrical work for new construction	Seohai Construction	1,973,000	2019. 09
EcoPro BM CAM5 Project - Power facility installation	EcoPro BM	935,000	2019. 08
Ansan Hospital - General electrical work for expansion of medical support building	Punglim	678,700	2019. 02
Gimpo Daebyeok-ri Phase 2 - Power connection work during site development	Seohai Construction	285,500	2019. 01
Hansup Middle School - Purchase of government-supplied equipment (fuel cell) for new construction	Yongin Office of Education, Gyeonggi-do	409,643	2018. 10
Medicinal Crop Seed Distribution Center - Electrical work for new construction	Jecheon Agricultural Technology Center	189,500	2018. 07
Yeongdong Units 1 & 2 - Conditional purchase for energy management system installation	KOEN Yeongdong Eco Power Division	211,493	2018. 07
Danyang Elementary School - Electrical work for multipurpose classroom and others	Danyang Office of Education	379,175	2017. 10
Nangseong Middle School & others - LED lighting replacement electrical work	Cheongju Office of Education	101,536	2017. 08
Danyang Senior Welfare Center - Electrical work for remodeling project	Danyang County Office	252,180	2017. 06
Oseon Industrial Complex - Electrical work for wastewater treatment facility	Eumseong County Office	252,180	2017. 05
Sobaeksan Recreational Forest - Electrical work for new forest cabin construction	Danyang County Office	174,770	2017. 04
Cheongju Nonghyup - Electrical work for extension and remodeling of main office	Cheongju Agricultural Cooperative	210,606	2017. 03
Baekdudaegan Green Theme Experience Center - Electrical work for project site	Danyang County Office	176,693	2017. 01
Sobaeksan Recreational Forest - Electrical work for site development project	Danyang County Office	114,696	2016. 12
Jecheon-Danyang Livestock Cooperative - Electrical, communication, and fire protection work for local food remodeling project	Jecheon-Danyang Livestock Industry Cooperative	127,516	2016. 09
Iwol Nonghyup Hanaro Mart - Electrical work for new construction	Iwol Agricultural Cooperative	382,049	2016. 05
Naedeok-dong Medical Facility (Ppuri Hospital) - Temporary power and main power line installation	Shinjeongam Construction Co., Ltd.	220,000	2015. 12
Seoul Ring Expressway - Electrical work at Howon IC and tollgate	Korea Expressway Corporation, Capital Region Division	1,161,246	2015. 04
Korea National University of Transportation - Electrical remodeling for Central Library	Korea National University of Transportation	225,988	2013. 03
Ondal Tourist Site - Electrical work for sewage treatment facility	Danyang County Office	120,779	2013. 01
National Expressway No.1 - Electrical work at East Gimcheon IC	Korea Expressway Corporation, Gyeongbuk Region Division	548,834	2012, 11
Maepo Market - Electrical work for modernization project (arcade)	Maepo Market Merchants' Association	175,030	2012. 09

Project Name	Client	Contract Amount	Completion Date
Project 08-75-8 - Electrical work	Gongjun Central Management Unit	402,834	2010. 05
Hyungseok High School - Electrical work for dormitory expansion	Hyeongseok High School	170,423	2010. 01
Naedeok-dong Medical Facility (Ppuri Hospital) - Temporary power and main power line installation	Shinjeongam Construction Co., Ltd.	120,779	2013. 01
Seoul Ring Expressway - Electrical work at Howon IC and tollgate	Korea Expressway Corporation, Capital Region Division	548,834	2012. 11
Korea National University of Transportation - Electrical remodeling for Central Library	Korea National University of Transportation	175,030	2012. 09
Ondal Tourist Site - Electrical work for sewage treatment facility	Danyang County Office	402,834	2010. 05
National Expressway No.1 - Electrical work at East Gimcheon IC	Korea Expressway Corporation, Gyeongbuk Region Division	170,423	2010. 01
Maepo Market - Electrical work for modernization project (arcade)	Maepo Market Merchants' Association	184,027	2009. 12
Project 08-75-8 - Electrical work	Gongjun Central Management Unit	150,202	2009. 01
Hyungseok High School - Electrical work for dormitory expansion	Hyeongseok High School	111,573	2008. 01
Naedeok-dong Medical Facility (Ppuri Hospital) - Temporary power and main power line installation	Shinjeongam Construction Co., Ltd.	106,804	2007. 11
Lighting Equipment			
Gosu Bridge Fountain - Electrical work for landscape fountain project	Danyang County, Chungbuk	82,823	2025. 04
Imhyeon-ri, Eosangcheon-myeon - Stage lighting installation work	Danyang County, Chungbuk	14,040	2022. 12
Danyang Public Health Center & 4 Sites - Architectural skyline lighting installation project	Danyang County, Chungbuk	146,510	2022. 06
Sangsang Street - Floodlight replacement and wiring work under the bridge piers	Danyang County Office	116,810	2020. 12
Gaksibong Tunnel - Replacement of lighting and ballasts	Danyang County Office	118,256	2020. 05
Danyang Elementary School - Solar panel installation and LED lighting replacement and others	Danyang Office of Education	101,682	2018. 08
Chungbuk Institute for Education & Science - Purchase and installation of stage lighting for audiovisual room	Chungbuk Institute for Education & Science	145,791	2018. 04
Sambong Bridge - Landscape lighting installation work	Danyang County Office	485,730	2017. 12
Manhakcheonbong Observatory - Landscape lighting installation work	Danyang County Office	566,200	2017. 09
Danyang Sangjin Riverside Park - Electrical work for park development project	Danyang County Office	135,520	2011. 03
Railroad (Electric/Signal)			
Gyeongbu Line, Miryang Tunnel - Contact wire adjustment and repair for track structure improvement	Korea Railroad Corporation	455,029	2025. 12
Seohae Line Double Track (Hongseong-Dangjin section) - New electrical facility construction	Korea Rail Network Authority	4,443,053	2024. 11
Chungbuk Line (Eumseong-Soi and 16 other locations) - Signal facility maintenance due to expansion joint improvements	Korea Railroad Corporation	52,698	2024. 09
Jungang Line (Jecheon Station and 2 others) - Point heater improvement project	Korea Railroad Corporation	54,929	2023. 12
General railway outbound feeder system - Installation of switching device for power supply separation	Korea Railroad Corporation	1,426,721	2021. 02
Seoul Headquarters (Gyeongbu Line and 2 others) - Contact wire improvement work	Korea Railroad Corporation	627,302	2021. 02
Gyeongbu Line (Jochiwon SS and 5 other sites) - Installation of switching devices for power supply systems	Korea Railroad Corporation	731,982	2021. 01
Gyeongbu High-Speed Line Phase 1 - Repair of aged cables in high-speed switches	Korea Railroad Corporation	190,293	2019. 12
Chungbuk Line (Cheongju-Ogeunjang, Down) and 19 other locations - Track circuit maintenance due to continuous welded rail (CWR) installation	Korea Railroad Corporation	254,878	2018. 12
Chungbuk Line - Track circuit maintenance due to continuous welded rail (CWR) installation	Korea Railroad Corporation	142,622	2017. 10
Wonju-Jecheon Double Track - Relocation of obstructing signal facilities and other work	Korea Rail Network Authority, Gangwon Headquarters	1,795,715	2016. 12
Taebaek Line (Jecheon-Ssangyong) - Contact wire installation and related work for double-track project	Korea Rail Network Authority	3,249,263	2014. 07
Information and Communications			
Unho High School - Green Smart School remodeling and expansion communication work	Chungbuk Office of Education, Unho High School	947,705	2025. 08
Cheongju Technical High School - Green Smart School development communication work	Cheongju Office of Education, Chungbuk	297,584	2025. 06
2025 Safe and Happy Eumseong Project - Installation of crime prevention CCTVs	Eumseong County, Chungbuk	77,673	2025. 05
	Danyang County, Chungbuk	84,674	2024. 12
	Duriyang County, Changbak		
2024 Integrated maintenance service for Danyang-gun information communication network Crime prevention CCTV installation project	Danyang County, Chungbuk	28,420	2024. 09

Project Name	Client	Contract Amount	Completion Date
Danyang Youth Center - Remodeling communication work	Danyang County, Chungbuk	134,172	2024. 03
Korea National University of Education - Presidential residence improvement work	Korea National University of Education	21,118	2024. 03
2023 Danyang-gun roadside CCTV maintenance service	Danyang County, Chungbuk	25,135	2023. 12
2023 Danyang Convergence Complex Project	Danyang County, Chungbuk	819,264	2023. 12
Danyang Traditional Market - Aged power line replacement work	Danyang County, Chungbuk	169,980	2023. 11
Army Engineer School - Safety equipment purchase	R.O.K Army Engineer School	40,800	2023. 10
UNESCO International Centre for Documentary Heritage - Communication work	Cheongju City, Chungbuk	360,347	2023. 06
Gyeongju Chung-Hyo District - Apartment construction communication work	Daesang Construction	47,434	2023. 06
2022 Wired and wireless network improvement for schools in Danyang	Danyang Office of Education, Chungbuk	126,774	2022. 09
Terrain Analysis System Replacement (Lease Item) (208080-A)	MND Financial Management Corps	658,303	2020. 11
2019 EV Charging Station - On-site controller installation	KEPCO Chungbuk Headquarters	68,808	2020. 02
High-speed playback storage device for recorded video	Kangwon Land, Inc.	241,464	2019. 12
Dongchun Block 4, Seohae Grandble - Communication work for new building construction	Seohai Construction	270,000	2019. 09
UNESCO International Centre for Documentary Heritage - Communication work	Cheongju City, Chungbuk	354,879	~
Firefighting			
Sangjin Sports Park - Jokgu court wall-type membrane structure installation	Danyang County, Chungbuk	38,918	2024. 12
Geopark Community Center - New construction (fire protection facility work)	Danyang County, Chungbuk	40,170	2024. 11
Maepo Elementary School - Ceiling replacement fire protection work (main building and multipurpose classroom)	Danyang Office of Education, Chungbuk	17,592	2024. 10
Gyeongsan Logistics Center - New construction / General electrical work (fire protection)	Sambu Engineering & Construction Co., Ltd.	1,226,738	2024. 08
Sangjin Elementary School - Kitchen ventilation system improvement fire protection work	Danyang Office of Education	18,026	2024. 03
Danyang Youth Center - Remodeling fire protection work	Danyang County, Chungbuk	106,980	2024. 03
Danseong Middle School and 1 other (Eosangcheon Elementary) - Main building repair and asbestos material fire protection work	Danyang Office of Education	15,401	2024. 02
Danyang Sobaeksan Middle School - Extension of student restrooms (main building) fire protection work	Danyang Office of Education	5,645	2023. 10
Danyang Elementary School - Exterior wall repairs and other fire protection work	Danyang Office of Education	106,460	2022. 11
Far East University Happy Dormitory (Private) - Construction project fire protection work (mechanical/electrical)	Far East University Happy Dormitory LLC	469,700	2022. 11
Danyang Middle School - Multipurpose classroom repair and other fire protection work	Danyang Office of Education	20,141	2022. 10
Unit 19-Air Force-00 - Fueling facility improvement fire protection work	MND Financial Management Corps	388,201	2020.12
Maepo Traditional Market - Installation of fire alarm system	Danyang County Office	65,976	2020. 03
Dongchun Block 4, Seohae Grandble - Fire protection work for new construction	Seohai Construction	223,000	2019. 09
Raw material storage building - Holder expansion fire protection work	GRM	312,100	2017. 10
Future Area Warehouse - New construction fire protection work	GRM	205,940	2017. 09
North Danyang Nonghyup - Headquarters expansion and renovation fire protection work	North Danyang Agricultural Union	104,000	2017. 07
Gukwon Dormitory - Renovation and reinforcement fire protection work	Korea National University of Transportation	107,384	2014. 12
Senior Welfare Facility - Installation of simple sprinkler systems (7 locations)	Danyang County Office	116,697	2014. 02
Far East University Happy Dormitory (Private) - Construction project fire protection work (mechanical/electrical)	Far East University	469,700	~
Solar Power System			
2025 Danyang County Renewable Energy Convergence Support Project	Danyang County, Chungbuk	553,041	2025. 12
Jeocheon Jangrak Seyoung Richel - Solar power equipment manufacturing and installation for new construction	SYENC Cunstruction LTD.	99,000	2025. 07
Green Smart Future School Dalseong Middle & High School and 3 others (BTL Project) - Solar power system for Dalseong Middle & High School expansion	Donghyeon Construction Co., Ltd.	341,000	2025. 03
Dochung 1-ri and Songgok 2-ri - Village hall solar power installation project	Eumseong County, Chungbuk	74,474	2025. 01
2024 Renewable Energy Convergence Support Project (Solar Power) (Jincheon Convergence)	Jincheon County, Chungbuk	376,299	2024. 12
LG Chem Osan CS Campus - Solar power system for expansion construction	Construction Division, HJ Heavy Industries	554,730	2024. 10
Green Smart Future School Miryang Elementary & 3 others (BTL Project) - Solar power system for Yongma High School	Donghyun Construction Co., Ltd.	90,200	2024. 02
Incheon Airport Phase 3 Auxiliary Building Electrical Work - Solar power installation	Construction Division, HJ Heavy Industries	3,457,300	2024. 01
Eumseong Livestock Cooperative - Design and installation of solar power system for electronic livestock auction market	Eumseong Livestock Cooperative	291,803	2023. 11
Integrated Waste Disposal Facility - Solar power system construction	Danyang County, Chungbuk	849,681	2023. 10

Project Name	Client	Contract Amount	Completion Date
Osulloc Farm Green Tea Factory - Solar power installation project	Osulloc Farm Co.,Ltd.	237,050	2023. 06
KEPCO Commissioned Research Project - Agricultural-integrated solar power system (74.34 kW)	Modeun Solar Co., Ltd.	236,500	2023. 05
Pyeongtaek Base - Solar power system installation	SK Gas	450,725	2023. 05
JW Inno Square - Solar power system installation	CJ Logistics Corporation	201,154	2023. 04
Seogyo-dong Mixed-use Facility - Solar power system installation (41.76 kW)	Gyeongjeonsa Temple	71,500	2023. 03
Chojeon Elementary School - Replacement of solar streetlight lamps and accessories	Chojeon Elementary School	7,612	2023. 02
Government Office - Solar power system installation and government-supplied materials purchase	Chungbuk Forest Resources Research Institute	152,326	2023. 01
Sobaeksan National Park - Solar power installation at Juniper Monitoring Post	Danyang County, Chungbuk	13,170	2022. 12
2022 Danyang County Renewable Energy Convergence Support Project	Danyang County, Chungbuk	1,083,071	2022. 12
Project 19-Navy-00 - Solar power system installation	Construction Division, HJ Heavy Industries	241,230	2022. 12
Management Building (ZEB) - Solar power system installation	Danyang County, Chungbuk	66,825	2022. 11
Hoengseong NH Cold Logistics Center - Solar power installation	Energy Division, NH Economic Holdings	499,400	2022. 10
3kW Standalone Solar Power System Installation	Hong Seok-ho	9,900	2022. 07
2020 Residential Renewable Energy Support Project	Korea Energy Agency (KEA)	354,800	2020. 12
2020 Danyang County Renewable Energy Convergence Support Project	Danyang County	351,566	2020. 12
Osong Healthcare - Solar power system installation	CJ Logistics Corporation	642,032	2020. 10
Offshore Solar Power Plant Construction	Offshore Solar Power Plant	580,723	2020. 08
Samcheonpo Power Plant - Idle facility solar power installation	Korea South-East Power Co., Ltd. (KOEN)	2,149,604	2020. 01
Mplus Oksan Plant - Solar power plant installation	EM Storage Co., Ltd.	399,850	2019. 12
Sin Incheon Parking Lot - Conditional purchase of solar power system	Korea South-East Power Co., Ltd. (KOEN)	1,226,500	2019. 12
2019 Danyang County Renewable Energy Convergence Support Project	Danyang County Office	596,096	2019. 12
Hwasan-dong Community Center - Solar power plant installation	Public Procurement Service, Chungbuk	68,893	2019. 11
KEPCO Happy Solar Installation Support Project (Chungcheong Region)	Korea Energy Foundation	524,264	2019. 11
Hugok-ri - Solar power plant installation	Hugok-ri, Danyang	148,500	2019. 11
Daejeon 1-ri Village Hall - Solar power plant installation	Daejeon 1-ri Village Hall	99,990	2019. 10
Gasan Unit 1 - Solar power plant installation	Gasan Unit 1 Solar Power Plant	115,500	2019. 08
Hyeongok Solar Power Plant Construction (195.84 kW)	Hyeongok Solar Power Plant	369,000	2019. 07
Sewon Solar Power Plant Construction (97.92 kW)	Sewon Solar Power Plant	176,000	2019. 07
Gaya Solar Power Plant Construction (97.92 kW)	Gaya Solar Power Plant	176,000	2019. 07
Pureun Solar Power Plant Construction (76.16 kW)	Pureun Solar Power Plant	128,135	2019. 05
Hyoju Solar Power Plant Construction (195.84 kW)	Hyoju Solar Power Plant	345,400	2019. 03
Saemaeul Geumgo Incheon Regional Headquarters - New building solar system (86.4 kW)	Hanjin Heavy Industries Co., Ltd.	177,356	2019. 02
2018 Residential Solar Support Project (Kim Hyunjung & 44 others)	Korea Energy Agency (KEA)	282,420	2018. 12
Sangju Hyundai Solar Power Plant Construction (1,000 kW)	Sangju Hyundai Solar Power Plant Co., Ltd.	1,782,000	2018. 12
Namjeju Wimi Village - Second Solar Power Installation	Korea Southern Power Co., Ltd. (KOSPO)	1,486,100	2018. 12
2018 Building Solar Support Project (Onnuri Farm & 21 others)	Korea Energy Agency (KEA)	457,608	2018. 12
2018 Village Solar Support Project (Ko Young-hwan & 34 others)	Korea Energy Agency (KEA)	183,535	2018. 12
Energy Self-Reliant Danyang-eup Convergence Project (Phase 2)	Danyang County Office	149,700	2018. 12
Manjong Energy - Solar power plant construction (97.92 kW)	Manjong Energy	176,000	2018. 11
KEPCO Solar Power Support Project - Solar Panels (Yeongnam Region)	Korea Energy Foundation	213,517	2018. 07
Jangrak Elementary School - Electrical work for solar power generation / Government-supplied equipment (50kW)	Jecheon Office of Education	101,682	2018. 07
KEPCO Solar Power Support Project - Solar Panels (Yeongnam Region)	Korea Energy Foundation	314,657	2018. 07
Yeungnam University - Solar R&BD demonstration site facility installation	Yeungnam University	875,000	2018. 05
SM Solar Power Plant Construction (148.484kW)	SM Solar Power Plant	256,520	2017. 12
Hoam Gymnasium - Solar power facility installation (50kW)	Chungju City Hall	105,342	2017. 06
2017 Building Support Project (Chungju Line and 9 other sites)	Korea Energy Agency (KEA)	267,800	2017. 06
2017 Residential Solar Support Project (Kim Seon-uk and 14 others)	Korea Energy Agency (KEA)	145,250	2017. 06
e-Pyeonhansesang Daegu Geumho APT - Solar equipment supply and installation (73.5kW)	GNS ENG Co., Ltd.	148,500	2017. 06
Jeju Yeondong 2 Solar Power Facility	Korea Land and Housing Corporation (LH)	140,274	2016. 12
Gwangil Solar Power Plant (2MW)	Gwangil Solar Power	3,172,455	2016. 11
2016 Building Solar Support Project (Bok Young-gyu and 14 others)	Danyang County Office	229,500	2016, 08
2010 Ballating Solid Support Froject (Box Tourig Syd and 14 Others)	Dailyang County Office	223,300	2010, 00

Project Name	Client	Contract Amount	Completion Date
2016 Residential Solar Support Project (Jo Dong-hee and 42 others)	Korea Energy Agency (KEA)	304,684	2016. 07
Danyang County Senior Center Solar Support Project (Deokhyeon Senior Center and 27 others)	Korea Energy Agency (KEA)	171,770	2016. 07
Cheonhwangsan Solar Power Plant - Main power line construction	NH Development Co., Ltd.	256,835	2016. 03
Danyang Dasarang Nursing Home Solar Installation (40kW)	Public Procurement Service / Danyang County Office	101,643	2015. 12
Nonghyup Mokuchon Gimje Meat Processing Plant - Solar power system installation (201.6kW)	GNS ENG Co., Ltd.	178,200	2015. 11
DNP Corporation - Solar power plant installation (61.75kW)	KT Corporation	133,650	2015. 09
Magok District Intercity 365 Hotel - Solar power plant installation	Yeonhun Co., Ltd.	148,500	2015. 08
2015 Cheongju City - Senior center solar installation project (42 locations)	Cheongju City Hall	357,000	2015. 07
Dowon Solar Power Plant Installation (1MW-class)	Dowon Solar Power Plant	1,629,600	2014. 01
Wando and Mokpo - Solar cable installation project	Powerpoint Co., Ltd.	215,850	2008. 09
Solar Streetlight			
Nari Coastal Road in Gunnae-myeon - Solar streetlight installation	Jindo-gun, Jeollanam-do	17,186	2025. 06
Purchase and installation of solar streetlights	Changwon Facilities Corporation	5,729	2025. 05
Volvo Korea - Solar streetlight installation	D.S ENG	10,560	2025. 03
Hagae 1-ri Village Development Project	Korea Rural Community Corporation, Mungyeong Branch	24,120	2025. 01
Namseon Jinsil District	Andong City Hall	88,400	2024. 12
Danseong Ecological Park - Streetlight installation	Danyang County Office	97,760	2024. 12
Ssanggyesa Temple Parking Lot Full Renovation Project	Jirisan National Park	92,480	2024. 11
Anyangcheon Trail	Guro District Office	241,128	2024. 07
Safe Streetlight Plus Project - Solar streetlights in Uljin-gun and 6 other areas	Miral Welfare Foundation	981,360	2024. 03
Hanwha Aerospace Plant 2	Samyoung Electric	27,300	2024. 02
Artillery Overhaul Project	ROK Army Unit 6950	86,450	2024. 02
Korea Rural Community Corporation Andong	Korea Rural Community Corporation Andong	28,000	2024. 01
2023 1st Half - Moonbaek-myeon Security Light Installation / Government-supplied materials	Moonbaek-myeon, Jincheon-gun	1,435	2023. 12
Anyangcheon Trail	Guro District Office	117,024	2023. 12
R.O.K Army Engineer School	R.O.K Army Engineer School	40,800	2023. 12
Geumcheon High School - Solar streetlight installation	Cheongju Office of Education	46,800	2023. 09
Government-supplied purchase (solar streetlights) - Anyangcheon Trail lighting improvement project	Guro District Office, Seoul	329,400	2023. 08
Samcheoknam Elementary School	Samcheoknam Elementary School	4,800	2023. 06
2023 Rural Streetlight Installation Project (Phase 1) / Government-supplied materials	Deoksan-eup, Jincheon-gun	912	2023. 06
Sam-san and Gunsa 2 Intersection - Replacement of old streetlights (Government-supplied LED lighting)	Seocheon-gun Public Facilities Division	19,929	2023. 05
Yeongchun-myeon Namcheon-ri Deck Road - Streetlight installation (Steel streetlight poles)	Danyang County, Chungbuk	14,170	2023. 03
Yeongchun-myeon Namcheon-ri Deck Road - Streetlight installation (Streetlight pole accessories)	Danyang County, Chungbuk	702	2023. 03
Solar streetlight maintenance	Ganggyeong High School	5,049	2023. 03
Yeongchun-myeon Town Parking Lot Construction - Electrical works	Danyang County Office	40,550	2023. 01
2022 Dormitory and Athlete Dorm Surroundings - Outdoor solar streetlight purchase and installation	Cheonan High School, Chungnam Office of Education	43,200	2022. 10
2021 Major Repair Additional Project - Solar streetlight purchase for main road	Republic of Korea Army Armor School	91,924	2022. 01
Namhangang Harmony Trail Project - Solar streetlights	Danyang County, Chungbuk	64,800	2021. 12
Gosu-Cheondong Tourism Road Expansion Project - Streetlights	Danyang County, Chungbuk	169,498	2020. 12
2020 Streetlight and Security Light Installation (Danyang, Gagok, Jeokseong)	Danyang County Office	78,250	2020. 03
2018 Streetlight and Security Light Installation	Danyang County Office	150,791	2018. 06
Daebul Park West Road Construction - Streetlight installation	Daegu Metropolitan City Construction Management Headquarters	175,996	2008. 10



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