All-in-one solar streetlights

Suin Good Light Co., Ltd.

This is a new renewable energy company, Suin Good Light Co., Ltd., which actualizes ideas and 11 patents into products.

3rd Generation AI All-in-one solar streetlight



- Business registered on KONEPS
- Industrial new technology innovation
- New product (NEP)
- New technology (NET)
- Certification application in progress

Korea ON-line E-Procurement System under the Public Procurement Service

Product classification number 39111697
Product identification number 25699049

Authentication certificate

Non-stop performance for days powered by a LiFePO4 battery (permanently ON)

Product Authentication

NAVER Suin Good Light All-in-one solar streetlight

Google Suin Good Light

Company Introduction

Name of company	Suin Good Light Co., Ltd.	Phone	1522 - 7278
Representative director	Choi, Byung-Ha	E-mail	choi808800@naver.com
Corporate business license No.	797-81-03089	Homepage	https://suingoodlight.com
Corporate No.	12111-0463413	Patent No.	No. 30-1264472 / 10-2772719
Address	#904 The Cheongna LIV Tiamo Knowledge Industry Center Building A, 490 Jungbong-daero, Seohae-gu, Incheon		





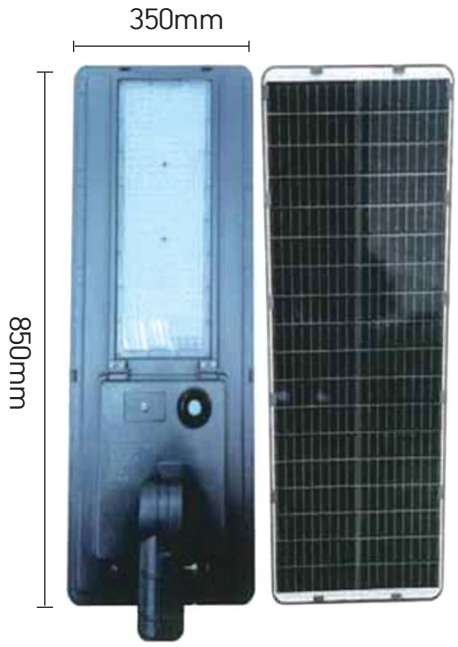








Product Introduction



All-in-one solar streetlight

- 3 years of A/S
- 40% charging efficiency (fully charged in approx. 4 hours)
- Bifacial solar panel charging and LiFePO4 battery storage
  - Even on cloudy and rainy days, it is possible to charge 30~50% per day. (Key patent)
- 210% energy storage capacity
- Semi-permanent use with built-in LiFePO4 battery
- Possible to use continuously (permanently on)
- Equipped with the motion detection sensor and amplifying lens
  - 150-meter left & right expansion upon proximity
- Anti-glare (patented)
- Intelligent Control System
- Equipped with 240 domestic LED chips – delivering 2x the brightness
- Built-in heat sink - Prevent the snow accumulation

Streetlight mounted with CCTV



CCTV installation available with self-charging power reserve

Streetlight mounted with AI voice activation



The physical unit is built-in

Occurrence of emergency

↓

Voice recognition
(help me~)

↓

AI activation
(scan verification)

↓

Deliver the message to the control room

↓

Police response

Product Introduction

Product details

Item No.	Power	Specification	Size	Weight
GL KOREA GL-SL230001	40W 60W 100W 150w 200W	Chip : Seoul semiconductor 3030	Lamp size (cm)	
		Solar panel: Monocrystalline 18V 60W /100W	85.5*35*15.5	N.W : 7.44KG
		Battery type : LEP 3.2V 75AH/100AH (LiFePO4)	Solar panel size (cm)	G.W : 8.64KG
		CCT : 6000-6500K	850*340*4	
		Working hours: 12 h (optional). Guaranteed continuous operation for multiple consecutive rainy or cloudy days (Always-ON)	Scale size (cm)	
		Contacts on certificate ISO 45001(additional request)		
		Material: Cast Aluminum + PC	1pc/scale	
		Guarantee : 3 years Life span: 80000H		
		Beam angle : 70*140 IP : IP65		
Contents of certificate : ISO9001 ISO14001 ISO 45001 RoHS CE KOREA PATENT GL K30-20230043077 EMC Certified Electrodeless Performance. GL K10-20240101395				

Certification test



1. Laser test
2. High temperature test
3. Sand dust test
4. Salt, salt water spray test
5. Drop test
6. Vibration test
7. Illuminance and luminous flux test
8. Waterproof rain test
9. Integrating sphere concentration test
10. LED chip 8000 lumen test
11. LiFePO4 battery test
12. 200W capacity test
13. Assembly test on each component

Authorization method		Authorized section	Discharging method	Qualification standard	Test result	Remarks
Indirect authorization	1	Horizontal Coupling Plane (HCP)	Contact discharge	B	A	
	2	Vertical Coupling Plane (VCP)	Contact discharge	B	A	
Direct authorization	1	Exterior (metal parts), screw	Contact discharge	B	A	
	2	LED switch	Contact discharge	B	A	
	3	Sensor, LED module	Contact discharge	B	A	
	4	Solar panel	Contact discharge	B	A	

◆ Achieved all 'A' grades in the test report◆

Product Introduction



Base panel

Welding of the pole and base section
Base panel size: 240x240 (170x170)
Base panel size: 295x295 (200x200)



Anchor base

Modular design for various structural transformations
Anchor spacing: 170x170
Anchor spacing: 200x200



Base cover

Anchor bolt nut cover
Sole plate size: 140
Sole plate size: 120



Base concrete

280kg size: 400x500x600 (height: 600)
Base panel size: 170x170
Base panel size: 200x200



Nut tool 27mm



27mm impact wrench
27mm fastening tool



▪ Streetlight pole

Stainless steel 152Φx5mx2T(60W)
Stainless steel:165Φx7mx3T
(100W, 150W, 200W)

Public Procurement Service (PPS) commodity registration application for Suin Good Light

Item	Details
Eligibility assessment number	R25MC00005204-0000
Document number	SG-S-250224
Commodity categorization number	39111697
Commodity identification number	25699049
Detailed product name	All-in-one solar streetlight
Specification	Solar streetlight, Suin Good Light, GL-SL230001-40, 40W, 5m
Company's suggested price (1st)	KRW4,300,000 (as of July 2026, the only integrated product officially registered on the Korea Public Procurement Service (PPS) marketplace to be recognized for both the highest wattage and the highest premium price)

Features

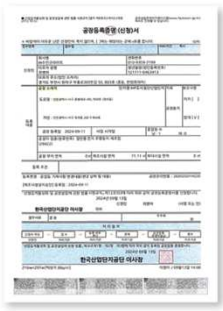
- This is a wireless product without powerline, and it does not require the underground work costs and electric costs. (Participate in World R200 with new and reusable energy)
- Carbon emission reduction effects, and improves the energy self-reliance of local government
- Requires zero maintenance costs and reduces installation time by over 5 hours compared to conventional wired street lights
- It requires 20 ~ 30 minutes of installation time.
- It is possible to change the head with conventional electric street lights.
- Product with EMC-certified electrodeless performance: Completely free from lightning risks and generates zero electromagnetic waves

Certificate Status

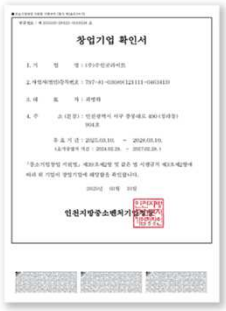

Business registration license


Certificate of registered seal


Certificate of Small and Medium Business (SMB)


Certificate of factory registration


Certificate of direct production


Certificate of start-up business


ISO Certificate

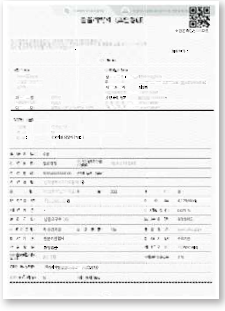

ISO Certificate


ISO Certificate


Design registration certificate


Patent certificate


PPS Registration Certificate


PPS Registration Certificate


Test report


Performance test report


Product contract

Product Introduction

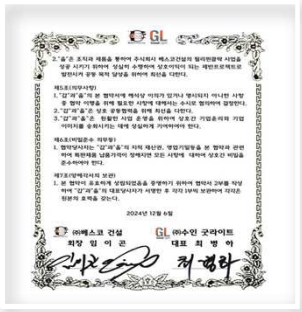
Overseas Installation Status





- Installed for the Government of the Philippines in Cotabato Province, Mindanao Island
- Installed in Ulaanbaatar, Mongolia, in partnership with Kolon Construction
- Installed at Bangkok in Thailand

MOU Status





- MOU with Gyeryong Construction in Clark, Philippines
- MOU with Samnam Sun Park Golf Construction
- Papua New Guinea
- Indonesia

Domestic Installation Status















▲Hongcheon GL Korea ▲Jeonnam Naju University ▲Gunsan Saemangeum factory ▲Cheonghakdong-gil, Wando-gun ▲Nogok-ri, Gyeongju ▲Gyeongju Samnam Agricultural Association ▲ Gimpo City Hall – Crechico / Jangmok-myeon, Geoje-si ▲ Eodeungsan Country Club, Gwangju ▲Jangseong Koru Pension ▲Jecheon branch office ▲Yongin branch office – Golfzon ▲Sugok, Gokseong ▲Iksan Community Self-Sufficiency Center ▲Yeosu Museon Jeil Church ▲Gwangyang Farm ▲Jeonnam Chamsol High School ▲Gunoe-myeon, Wando-gun ▲Ez Water Plant, Jeungpyeong ▲Namwon wholesale ▲Guro-gu office ▲Restaurant in Kimje-si ▲ Naju City Hall Complex ▲Jinju branch office ▲Sacheon branch office ▲Vessel works and others

Illuminating the world with innovative technology and trust



Help me!

The world's first solar streetlight with wireless AI voice-activated CCTV •••

Wee-woo, Wee-woo~~~

Directly to the Police Command and Control Center ···





No. 1: Namwon Chunhyang-gol



No. 2: Boryeong-si



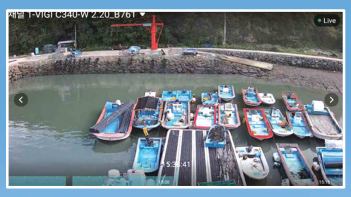
No. 2: Boryeong City Hall

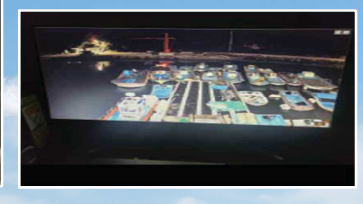


No. 3: Paju-si









No. 4: Installation picture at Cheonghakdong-gil Pier, Wando-gun, Jeollanam-do & the picture of CCTV No. 4

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