

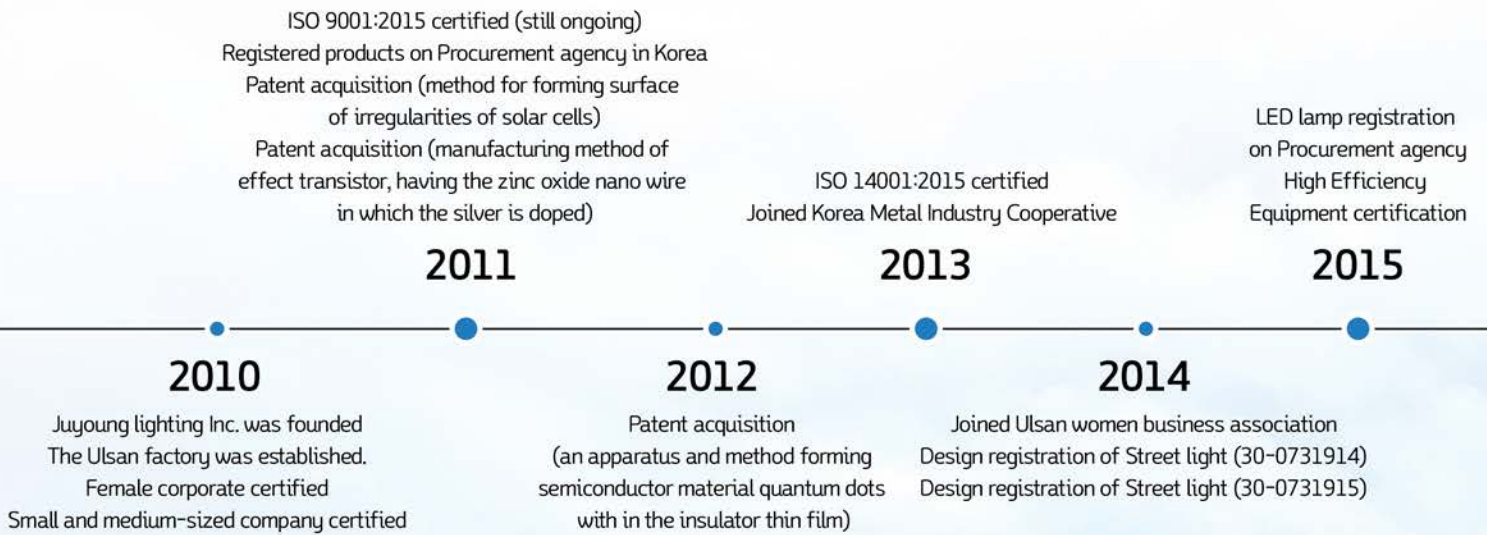


solar energy

 JUYOUNG LIGHTING Inc.

COMPANY HISTORY

Leading Environment Protective Company with **Eco-Friendly Energy**



JUYOUNG LIGHTING

Establishment of Research and Development department
Clean workplace certified
Tapered iron street light pole Korean Standard certified

2017

LED lamps Korea Eco-Label certified
Participated in SWEET 2019
Renewable Energy fair
Patent acquisition (LED Safety sidewalk block)
Increase of capital

2019

Patent acquisition (Battery package unit)

2021

2016

Expansion/Transfer of factory to Gwangyang Group standard certified
Venture business certified
Registration of membership of Korea Trade Association
Prize awarded from the Chief Of Procurement of Korea
Prize awarded from the National Assembly of Korea

2018

Patent acquisition (LED Safety sidewalk block)
Participated in SWEET 2018
Renewable Energy fair
LED street light lamp, security & pak lamp, and Tunnel lighting Korean Standard certified

2020

LED Flood light registration
Procurement agency
Prize awarded from Minister of SMEs

2022

Industry-University Cooperation Agreement with Gwangju University





SNI : Standard National Indonesia



Lithium iron phosphate battery UN38.3 Certificate IEC 62133-2-2017



Material Safety Data Sheet



UN38.3 Test report



Lithium iron phosphate battery test report IEC 62133-2-2017



EN 61000-6-4-2007 / EN 61000-6-2-2005 Controller Certificate



Identification and Classification report For Transport of Good



LEDModule IEC62.31:2018 certificate



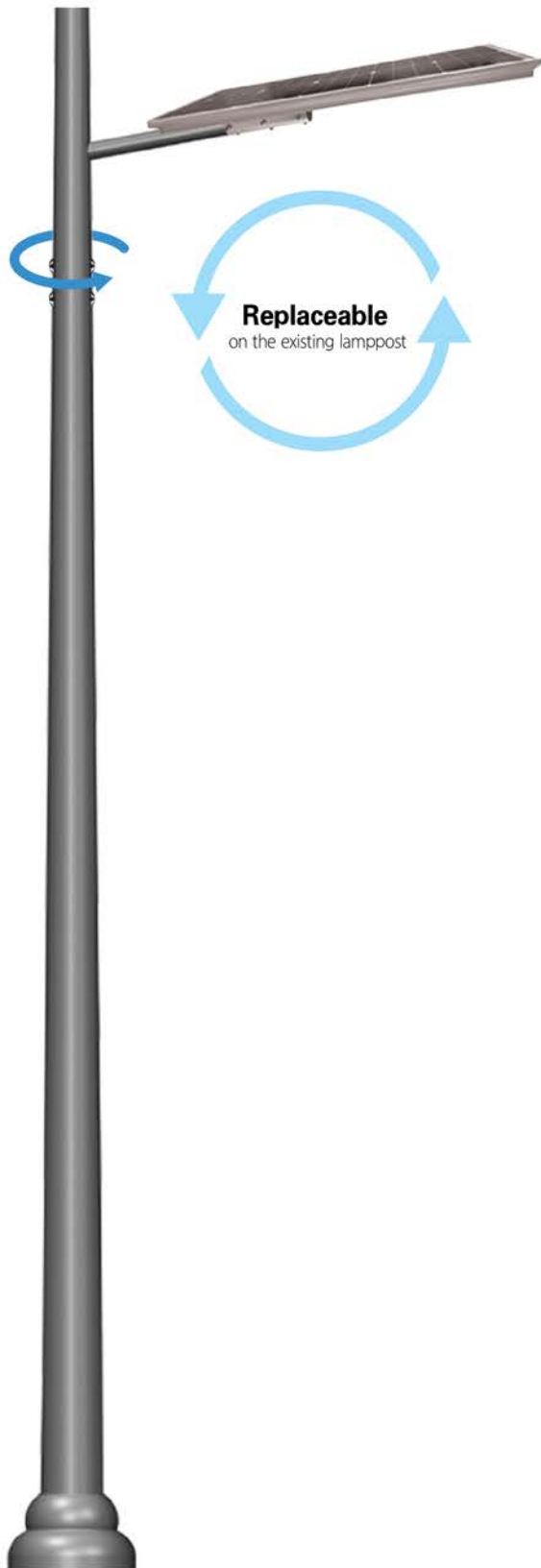
All-in-one solar street lighting design registration certificate

All-in-one type solar street lights

- Maximize budget savings with 20% or less of commercial power street light installation costs
- LED driver and program-embedded controller enable better lighting utilization and conveniently transmit various program settings for lighting control that is suitable for the environment of the installation site (refer to the controller manual)
- Easy maintenance by installing LED pilot lamp that allows to visually diagnose the condition of the lights
- Maximize power generation with monocrystalline cells with 18.94% solar power generation efficiency
- Place of installation : Suitable for areas without transmission lines, parks, coasts, frequently flooded areas, mountainous areas, and so on.
- Number of sunless days : 3 days

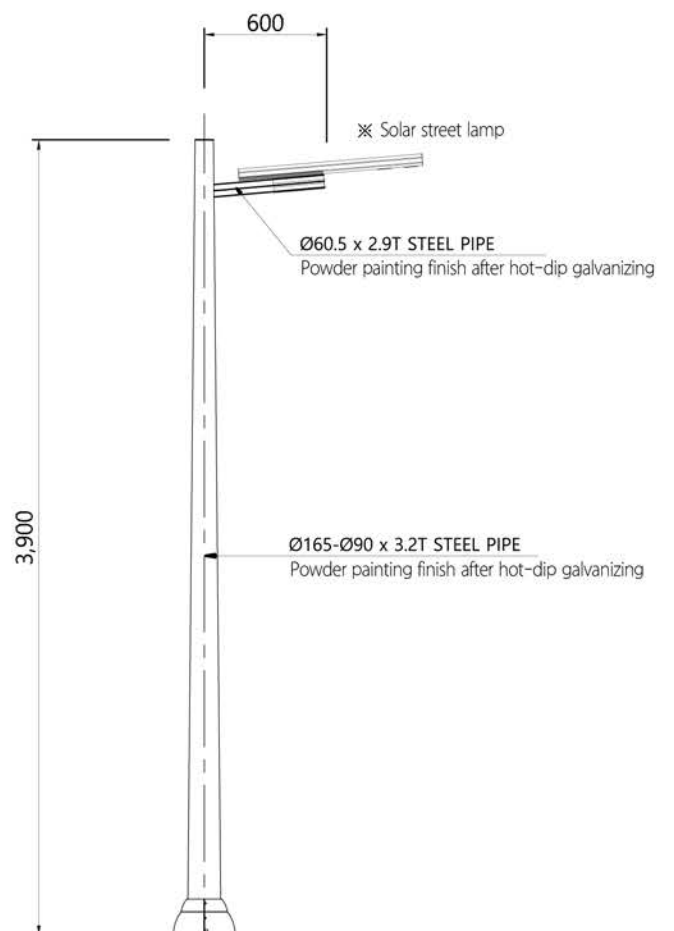
Advantages of Lithium-ion Phosphate Battery (12.8 V 54 Ah)

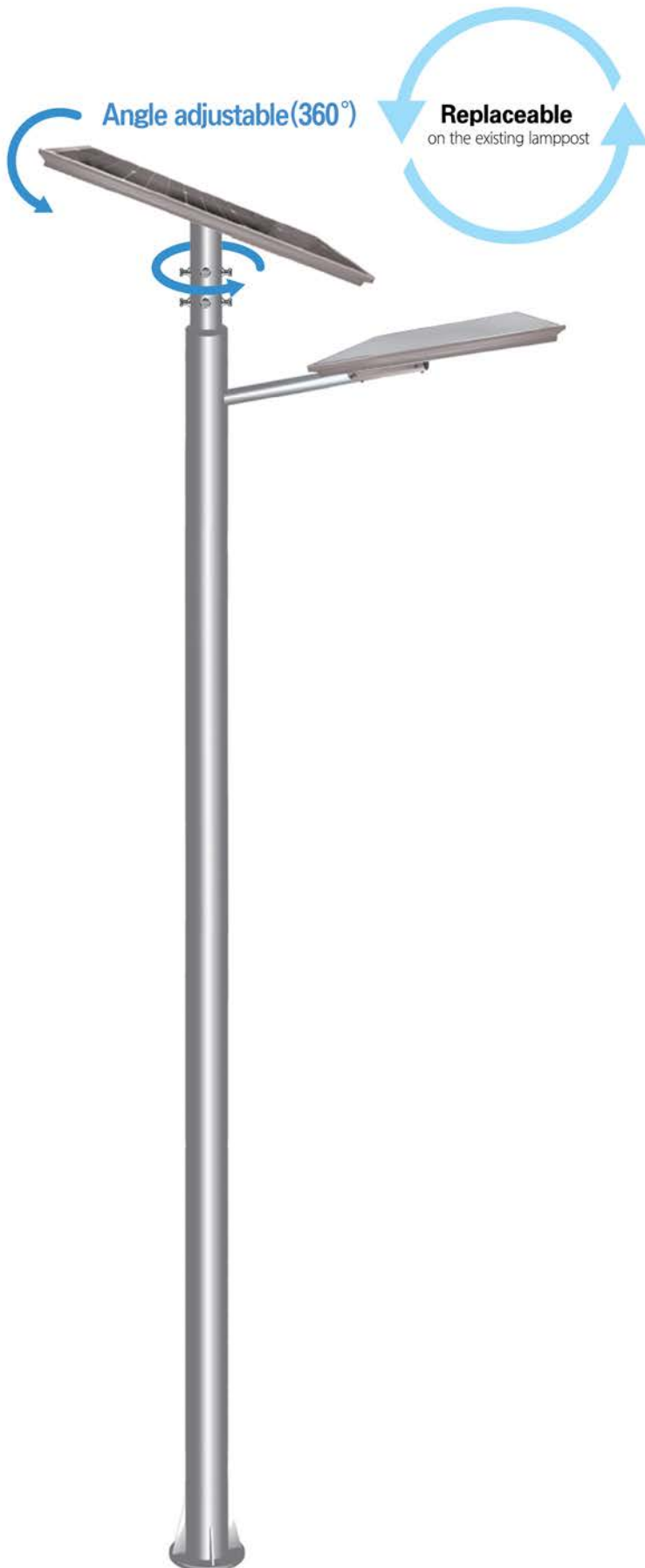
- Compact and light.
- **High energy density** : Compared to lead-acid batteries and Ni-based batteries, it is smaller, lighter, and have a higher voltage; the energy density is very high.
- **Long lifespan** : Up to 90% of capacity, the number of times of repeated recharging after discharge is more than 2,000 times, and the lifespan is 4 times longer than lead acid batteries and 3 times longer than ion batteries.
- **Safe** : During overcharging and overdischarging, it does not explode but gets damaged only internally. It does not explode even in strong external impacts, high temperatures, fires, and does not emit gas. It is also resistant to water.
- **Excellent charging/discharging characteristics** : It has the fast charging function, and has excellent continuous discharging characteristics and instantaneous discharging ability.
- **Wide operating temperature range** : -20°C to 75°C ; it is possible to discharge even in the winter without decreasing capacity.
- Self-discharge power loss is very small; the power can be stored for a long time.
- It is harmless to the environment and eco-friendly since there are no harmful substances.
- High maintenance is unnecessary; easy to maintain.



1 Model
JY-SP40

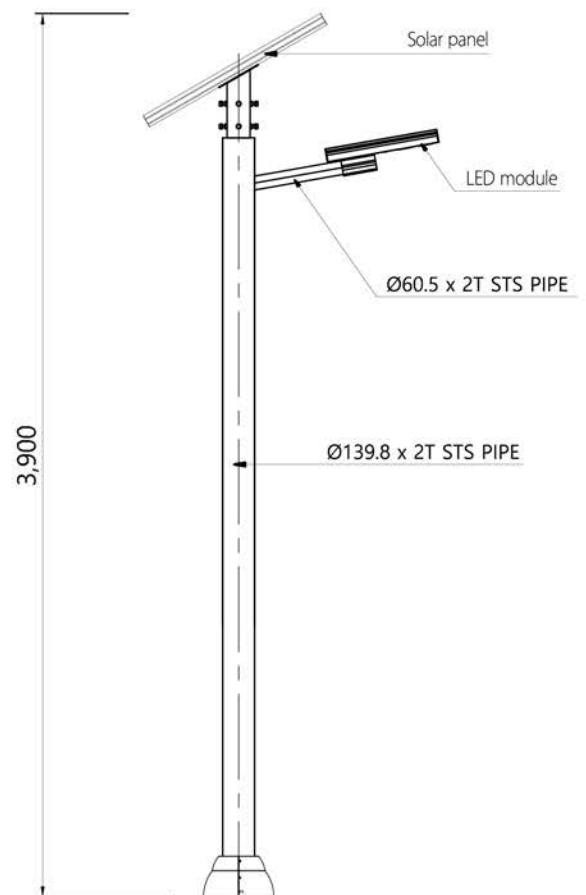
Material	Steel, aluminum
Height	H3.9M
Lamp power	LED 30W (Max 40W)





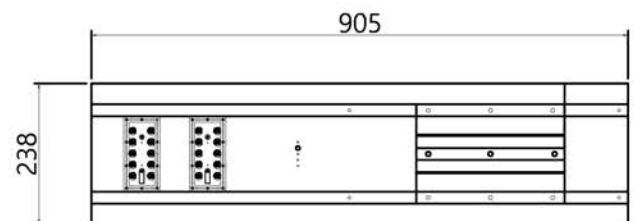
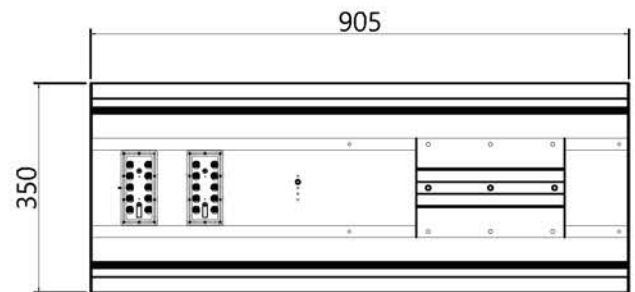
2 Model
JY-SP30

Material	Stainless steel, aluminum
Height	H3.9M
Lamp power	LED 30W (Max 40W)



3 Model
JY-S40

Material aluminum
Size W905×D350×H130
Lamp power LED 30W (Max 40W)

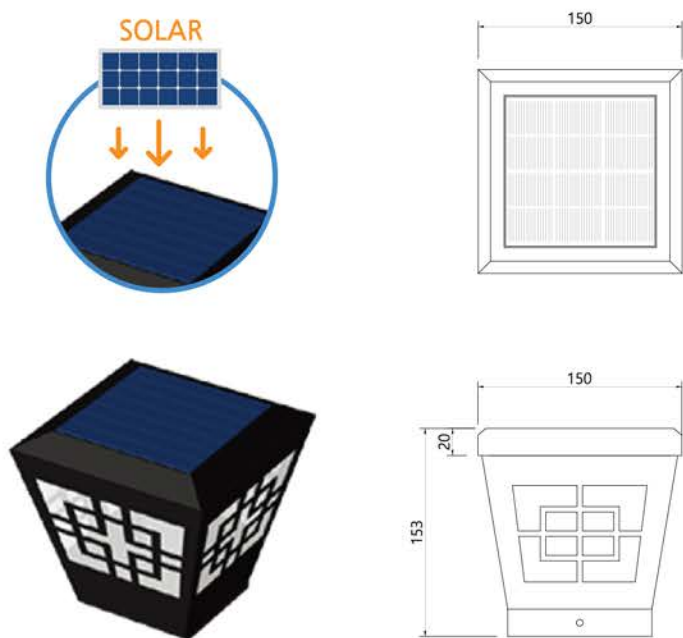




4 Model

JY-S101
(Solar landscape lighting)

Material Stainless steel, Polycarbonate
Size W120×D80×H800
Lamp power LED 2W



5 Model

GB-206
(Solar deck light)

Material aluminum, Stainless steel
Size W150×D150×H153
Lamp power LED 0.6W

Installation example

Solar street light (JY-SP40)



Daytime



Night



Daytime



Night

Installation example

Solar street light (JY-SP40)



Daytime



Night

Installation example

Solar landscape lighting (JY-S101)



Daytime



Night

Installation example



Installation example

Solar deck light (GB-206)



Leading Environment Protective Company with Eco-Friendly Energy

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