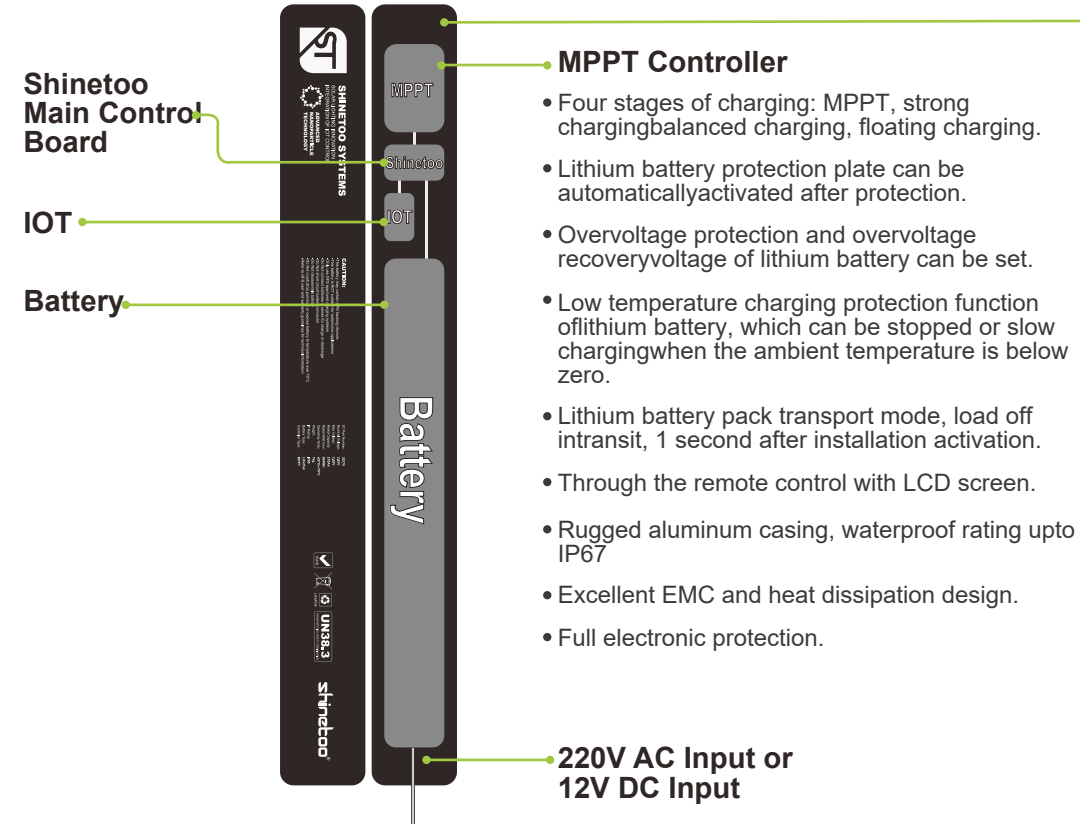
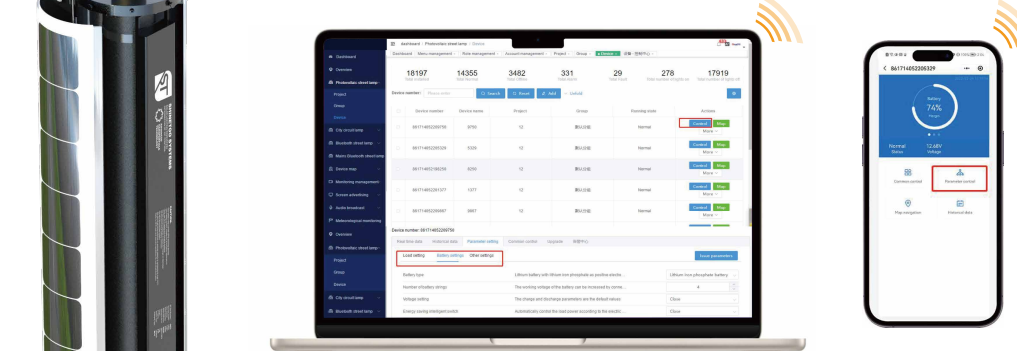


Smart & Solar
SMART LIGHTING CONTROL AND REMOTE LIGHTING CONTROL

Smart hel solar light poles are equipped with "Intelligence" to optimize their daily operation. A microprocessor and a smart, self-learning software algorithm control photovoltaics, battery and luminaire. The result: a highly reliable lighting system with excellent performance and careful battery management for long-life time. Every single hel solar light pole is a self-sustaining, self-controlled system. Lighting levels are dimmed automatically in case of reduced solar yield. Programmable, individual lighting levels and times provide a wide range of flexibility. On demand, solar poles can be equipped with communication modules for remote control and monitoring of hel solar poles.



Remote control
REAL-TIME CONTROL OF LIGHT INFORMATION ON THE PHONE OR COMPUTER



- It can know the remaining capacity and charging and discharging state of the battery of each lamp remotely.
- You can turn the light on and off remotely. You can choose time and space or light control.

New Whole Light Scheme-Hera & Aphrodite



New Whole Light Scheme-Athena



Light Poles with Arms

Solar Panels Used Athena or Hera Plus

Battery in Earth Pit

Solar Panels Used Athena or Hera or Aphrodite

Diameter of the Light Pole is Between 60-114mm

Solar Panels Used Athena or Hera or Aphrodite

Light Pole Diameter More than 114mm

Solar Panels Used Athena or Hera or Aphrodite



shineto
— Shinetoo Creating true value and true partnership —



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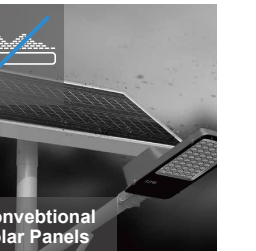
Shineto LED Vertical Solar Street Light VS Traditional Solar LED Street Light



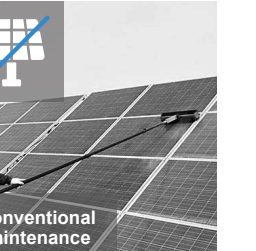
Higher conversion efficiency: Vertical solar street lights have a higher conversion efficiency due to the vertical placement of solar panels, which allows the panels to capture sunlight throughout the day regardless of the position of the sun. This leads to a higher power output and longer lighting time.



More flexible design: Vertical solar street lights have a more flexible design than traditional solar street lights. They can be designed to fit in smaller spaces and can be used in locations with limited sun exposure.



Better wind resistance: Vertical solar street lights have a better wind resistance due to their unique design. They are more stable in windy conditions, which reduces the risk of damage to the lights and improves safety.



Reduced light pollution: Vertical solar street lights have a more focused light distribution that reduces light pollution. They are better at directing light onto the road and sidewalk, which reduces glare and improves safety for pedestrians and drivers.



Lower installation costs: Vertical solar street lights have a simpler design that makes them easier to install than traditional solar street lights. They require less equipment and fewer installation steps, which can result in lower installation costs.



In summary, vertical solar street lights offer higher conversion efficiency, better wind resistance, reduced light pollution, and lower installation costs than traditional solar street lights. They also have a more flexible design that makes them suitable for a wider range of locations.

Aphrodite LED Vertical Solar Street Light

MODEL NUMBER	ST-PV160-Aphrodite/Aphrodite Plus
Dimension	1500mm×216mm×216mm
Pmax	160W
Suitable for light pole diameter	60-114mm
Solar technology	Monocrystalline silicon solar cells
Cell type	Sunpower
Cell efficiency	>22%
Front sheet material	borosilicate glass
Operating temperature	-30°C ~ +70°C
Lifetime	More than 10 years
Weight	15kg

Hera LED Vertical Solar Street Light

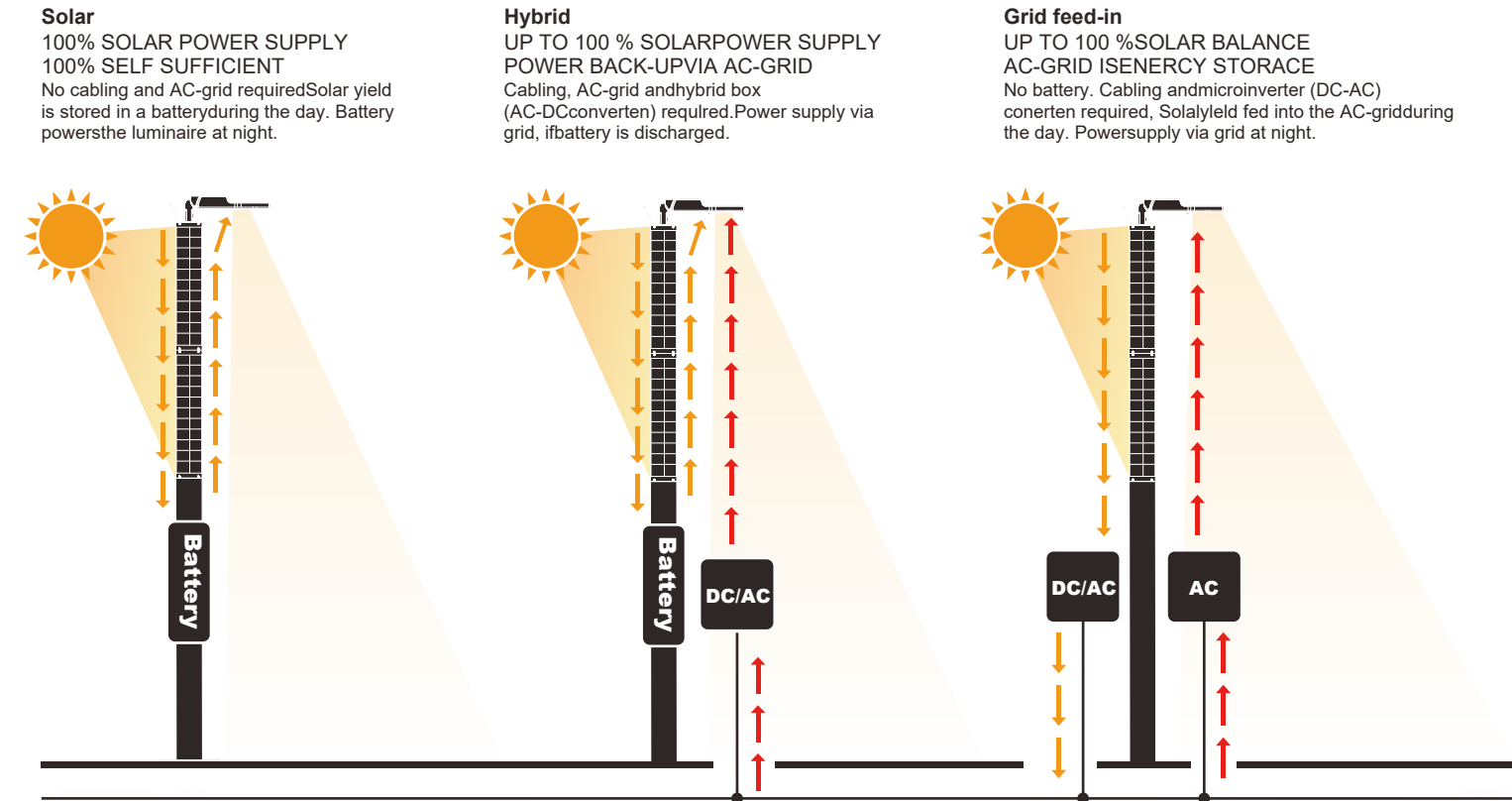
MODEL NUMBER	ST-PV160-Hera/Hera Plus
Dimension	1500mm×216mm×216mm
Pmax	160W
Suitable for light pole diameter	60-114mm
Solar technology	Monocrystalline silicon solar cells
Cell type	Sunpower
Cell efficiency	>22%
Front sheet material	borosilicate glass
Operating temperature	-30°C ~ +70°C
Lifetime	More than 10 years
Weight	19.5kg

Athena LED Vertical Solar Street Light

MODEL NUMBER	ST-PV160-Athena
Dimension	1500mm×200mm×200mm
Pmax	160W
Suitable for light pole diameter	40-160mm
Solar technology	Monocrystalline silicon solar cells
Cell type	Sunpower
Cell efficiency	>22%
Operating temperature	-30°C ~ +70°C
Lifetime	More than 10 years
Weight	16.4kg

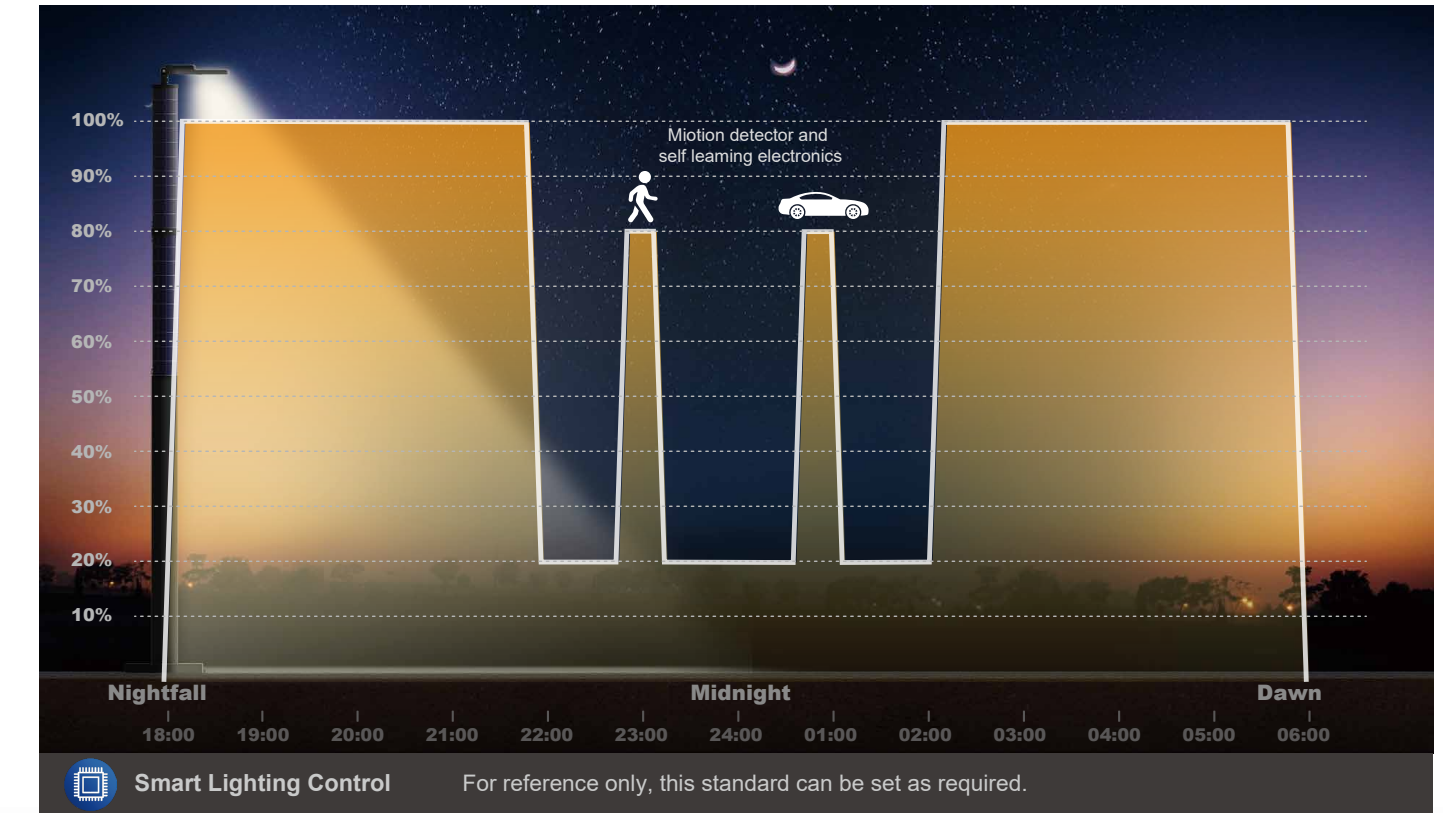
Power Supply Options

- Full solar supply for sunny regions
- Hybrid supply for regions with reduced solar yield in winter.
- Grid feed-in for locations with limited solar yield or if batteries should be avoided



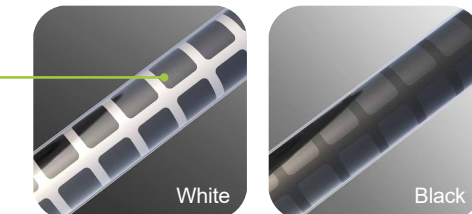
Smart & Solar

Smart control systems for solar street lights are advanced technologies that allow for remote monitoring and control of the lights. These systems use various sensors and control devices to optimize the performance of the solar street lights and reduce energy consumption.



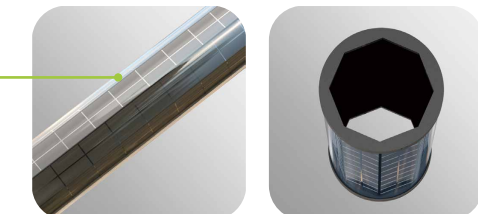
Apollo Street Light
20W-80W

There are two colors of black and white to choose from



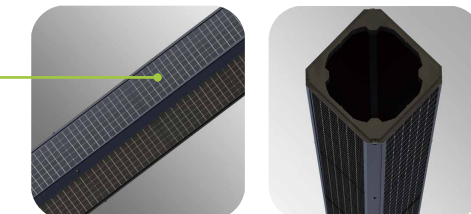
Apollo Street Light
20W-80W

Custom colour backsheet and optional backlighting

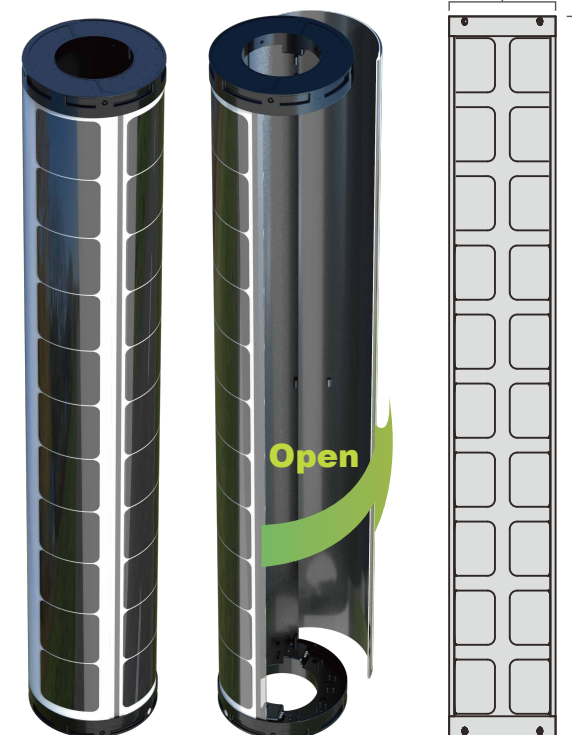


Apollo Street Light
20W-80W

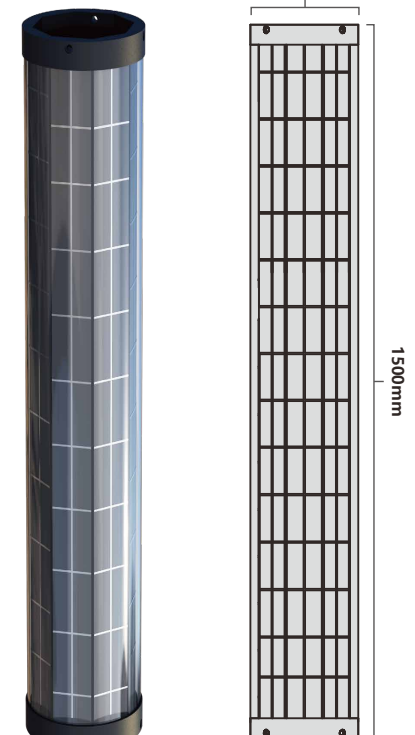
4 solar panels are assembled into a solar module



Aphrodite Aphrodite Plus



Hera

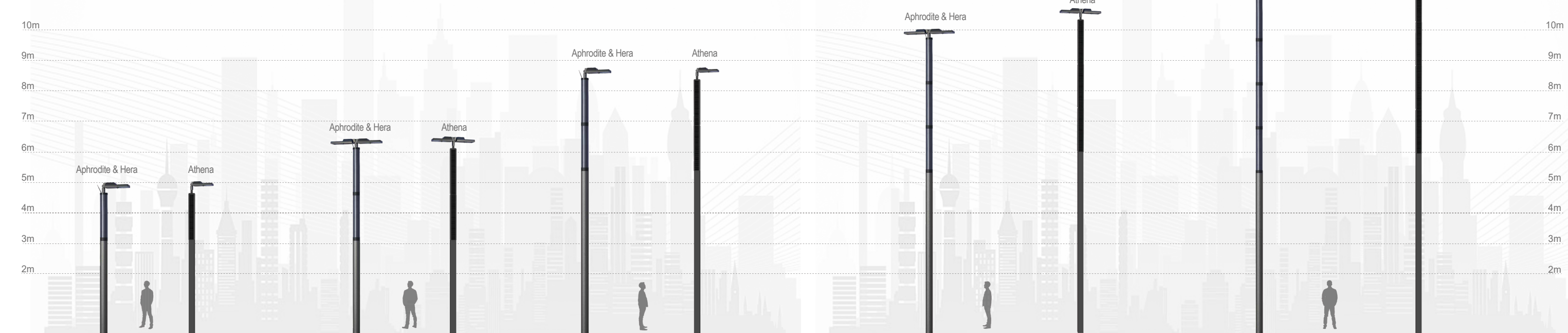


Athena



Shinetoo LED Solar Lighting Size-Hera & Aphrodite

The height of each module light pole



20W/30W/40W

Model Number	ST-SL2011-AP/ST-SL3011-AP/ST-SL4011-AP ST-SL2011-HE/ST-SL3011-HE/ST-SL4011-HE ST-SL2011-AT/ST-SL3011-AT/ST-SL4011-AT
Solar Light Head	20W/30W/40W
Luminous Flux(lm)	3600LM/5400LM/7200LM
Vertical Solar Module	1 PV MODULE
Pole Height	4-8M

2X30W/2X40W

Model Number	ST-SL3022-AP / ST-SL4022-AP ST-SL3022-HE / ST-SL4022-HE ST-SL3022-AT / ST-SL4022-AT
Solar Light Head	30W/40W
Luminous Flux(lm)	5400LM/7200LM
Vertical Solar Module	2 PV MODULE
Pole Height	4-8M

60W/80W

Model Number	ST-SL6012-AP / ST-SL8012-AP ST-SL6012-HE / ST-SL8012-HE ST-SL6012-AT / ST-SL8012-AT
Solar Light Head	60W/80W
Luminous Flux(lm)	9600LM/12800LM
Vertical Solar Module	2 PV MODULE
Pole Height	8-12M

60WX2

Model Number	ST-SL6023-AP ST-SL6023-HE ST-SL6023-AT
Solar Light Head	60W
Luminous Flux(lm)	9600LM
Vertical Solar Module	3 PV MODULE
Pole Height	8-12M

80WX2

Model Number	ST-SL8024-AP ST-SL8024-HE ST-SL8024-AT
Solar Light Head	80W
Luminous Flux(lm)	12800LM
Vertical Solar Module	4 PV MODULE
Pole Height	8-12M