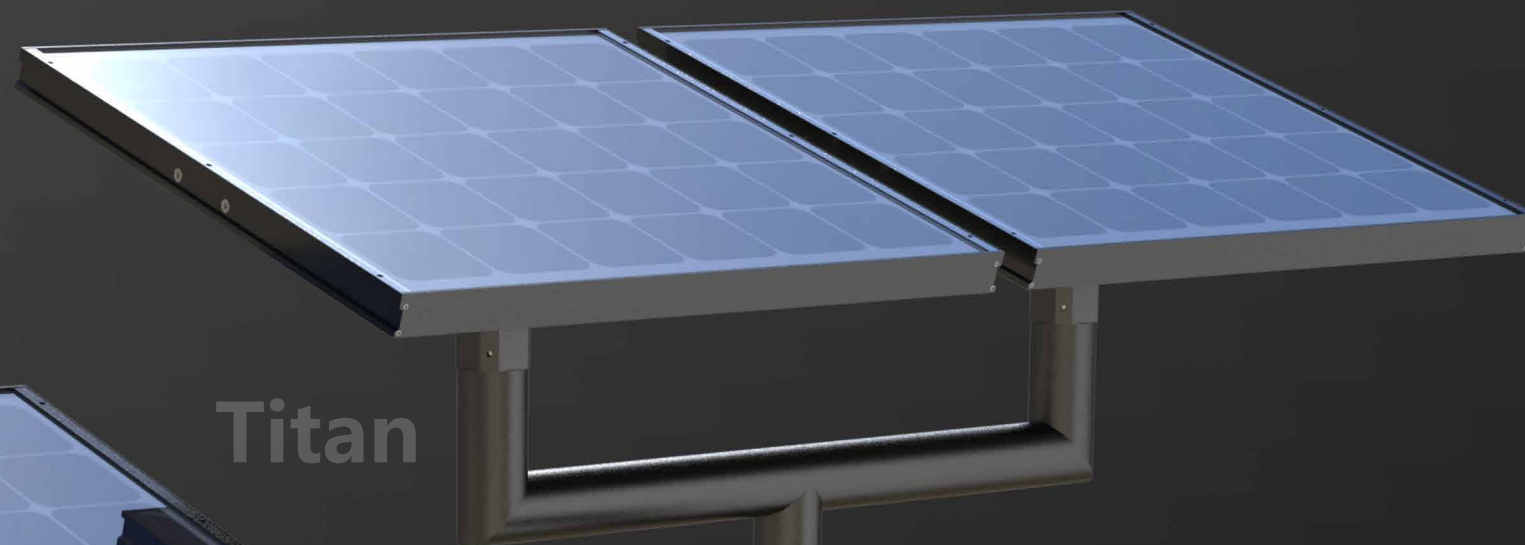
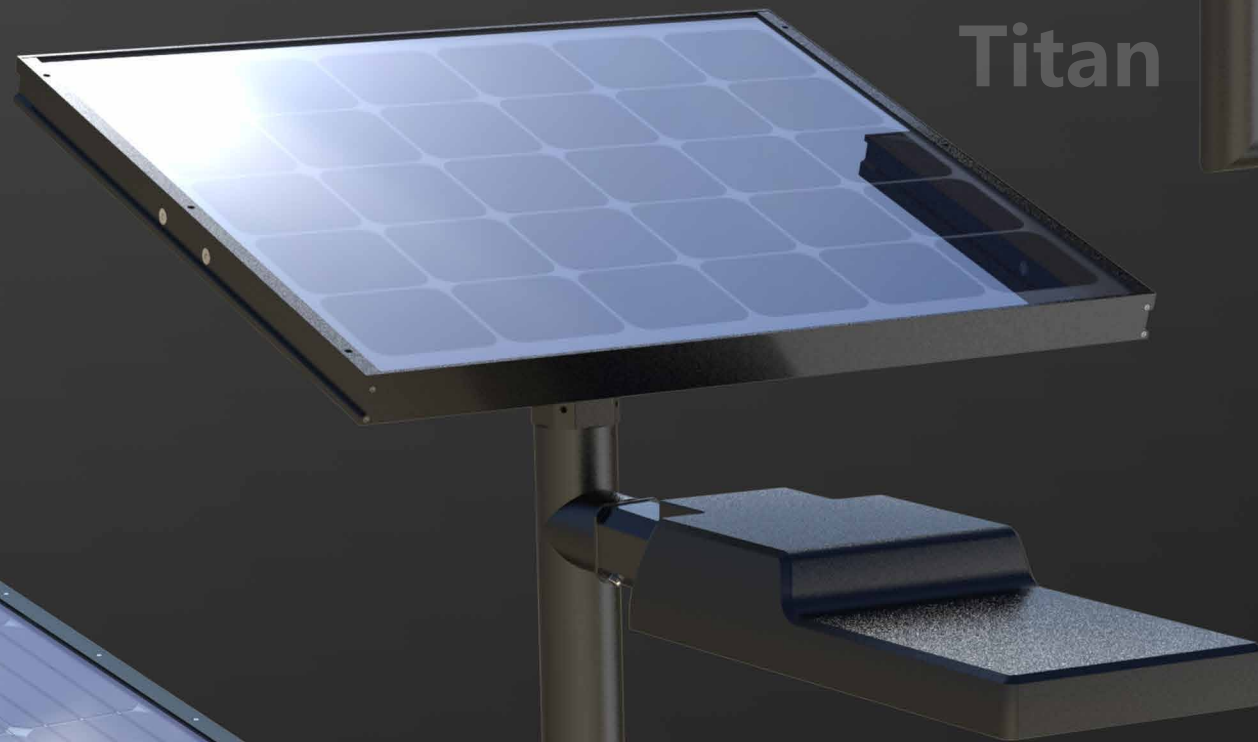


All-In-One & All-In-Two LED Solar Street Lights

Galaxia

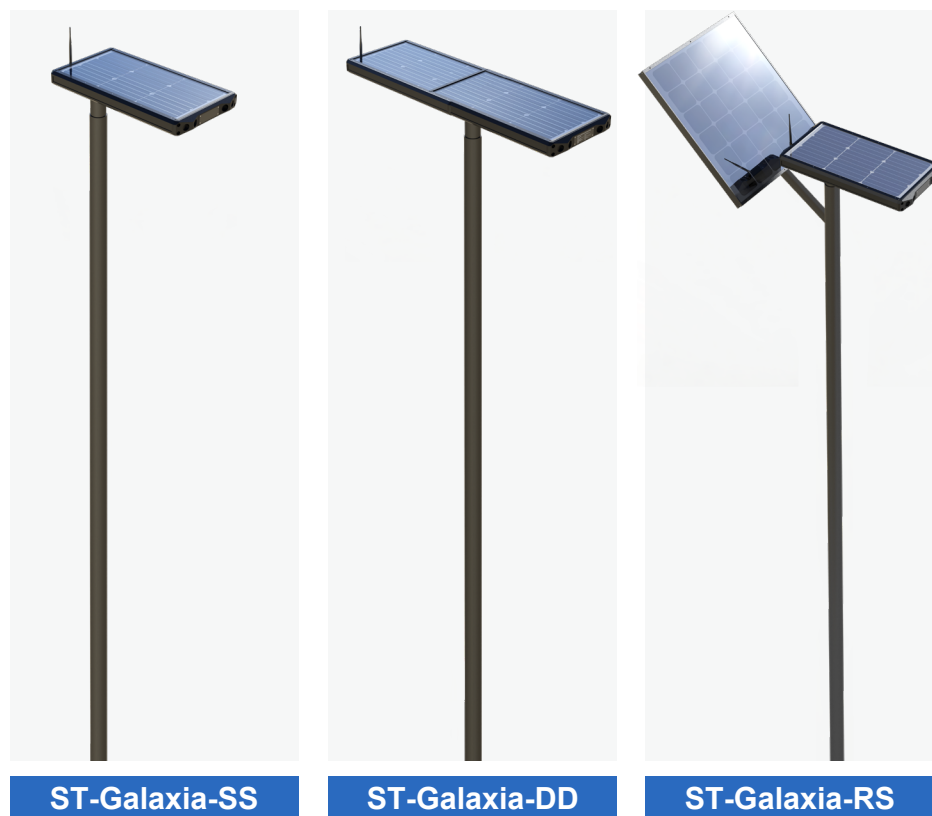


Titan



shinetoo

Galaxia All-In-One LED Solar Street Lights



ST-Galaxia-SS

ST-Galaxia-DD

ST-Galaxia-RS

Titan All-In-Two LED Solar Street Lights



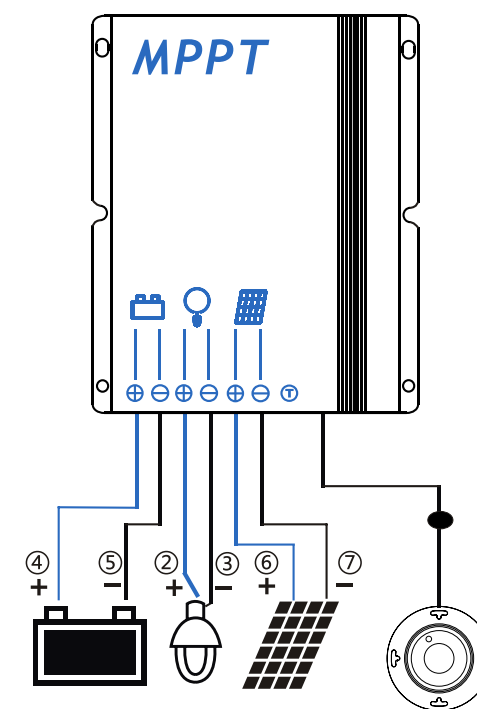
ST-Titan-SS

ST-Titan-DS

ST-Titan-SD

ST-Titan-DD

Solar Charge Controller



Innovative max power point tracking (MPPT) technology, tracking efficiency >99%



Automatic recognition of system voltage, 12V and 24V



Full digital technology, high charge & discharge conversion efficiency up to 96%



Motion detection for adapting dimming levels based on pedestrian needs



Precision constant current control supports from 50mA up to 3000mA



External temperature sensor



5 Step dimming can be programmed from 0% to 100% levels



IP67, Strong and durable aluminum case



Remote control operation



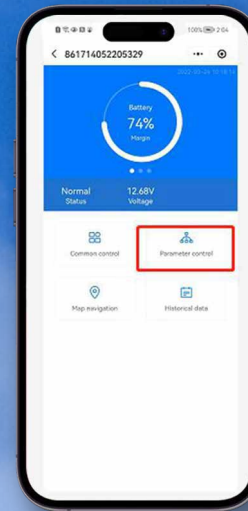
Full automatic electronic protection



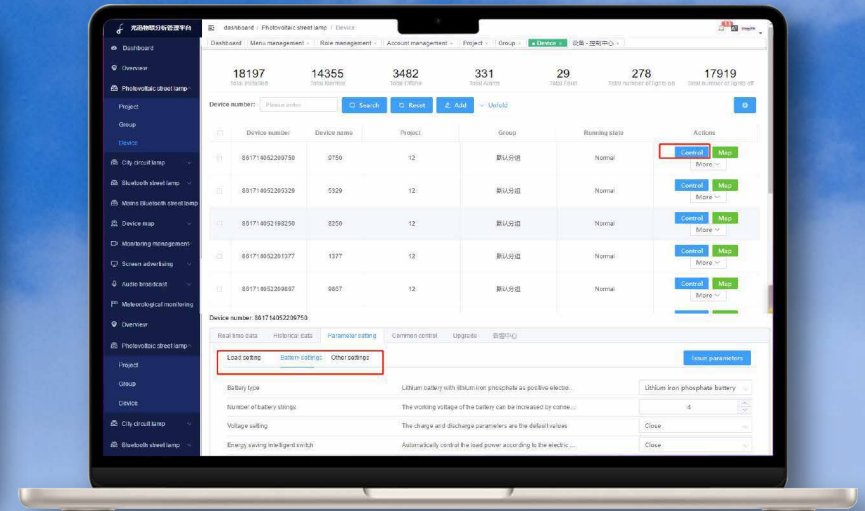
Low voltage disconnect (LVD) and reconnect (LVR) settings in order to keep battery life healthy



Shinetoo independently developed MPPT function, involving PC and mobile systems are independently developed, the server is placed in North America, more stable and reliable.



Mobile Terminal



PC Terminal

Strong Independent R&D

The All-in-one Solar lamp is the latest mid-sized solar lamp from Shinetoo Lighting. It features an adjustable Angle LED, dual PIR motion detection and advanced nanoparticle battery with passive battery balancing technology and a fully programmable solar energy controller. It can be extended to be deployed as part of a remotely controlled lighting network, independent of the main grid, without sacrificing performance.



GALAXIA STRUCTURE

Photovoltaic Panel

The default 210 architecture monocrystalline silicon photovoltaic panel can reach 45W in the size range of 650x350mm. At present, similar products can usually only achieve 32w in this size range. In addition to the photovoltaic panels that come with the product, there are external expansion photovoltaic interfaces.

LED

This product adopts Cree XHP50 or Lumileds OEM custom chip x12 by default, in which case the maximum luminous output of the single lamp can reach 25,000 lumens (to meet the needs of road lighting equivalent to 6~21m height, and can also be used in some high-pole lighting applications); Note: The same series of chip CCT (color temperature) -4000K (standard) / 3000K (optional) is also supported.

The Overturned Disassembly Structure is More Convenient for Later Maintenance

Optics

The default LEDIL lens can meet almost any light distribution needs on the market, with both range and precision. Note: Custom and OEM products are also supported in the structure to support the entire light source module between -40° -+ 40° for free adjustment.

Extended Function

1-With external expansion photovoltaic interface, you can hang photovoltaic panel components.
2-With 12v power supply port, it can mount components such as external cameras or mains modules, output 12 to 15v(depending on the linear change of battery)/MAX3A, input 15v/MAX3A.

MPPT

Independently developed MPPT system, with remote control of PC and mobile terminal compatibility.

Other Parameters

Material : 6063-T5 aluminum alloy
Light pole sleeve fitting diameter : 64mm/2-3/8 "Tennon
Installation Angle : -90° - +90°
Operating Temperature: -20°C~+60°C
Protection class: IP65
Warranty: 5 years

• **IoT-SAM** supports smart city connectivity/antenna suites

Sensor

Dual PIR sensors (L+R mounted)
Detection range <15m/ <49
Detection area PIR Boost activates for 30 seconds.

Battery

The default battery life is 120h(up to 9.5 nights), the default battery capacity is 12.8v/36ah/460.8wh, and the cathode material is LiFePo4 with passive battery balancing technology.

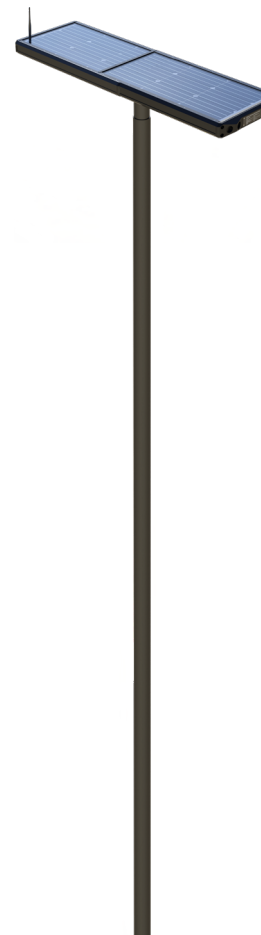
Modular battery compartment, later maintenance more convenient.

Galaxia

All-In-One LED Solar Street Lights



Finish Color Codes



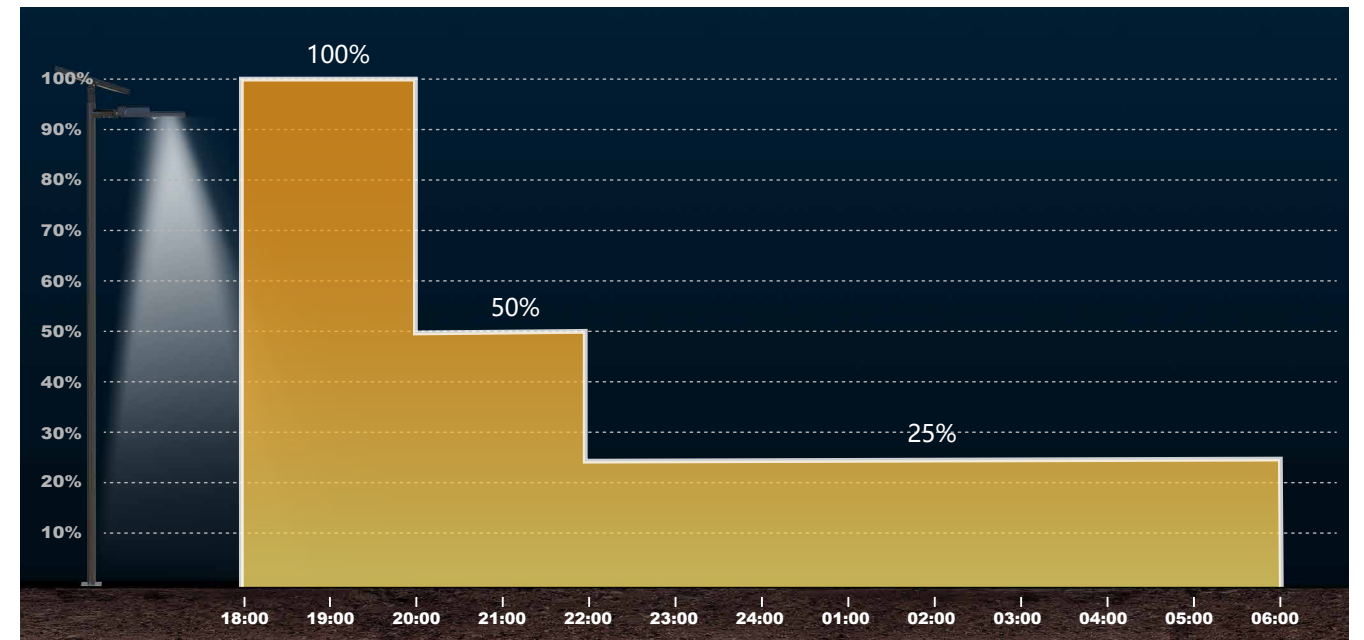
SPECIFICATION	
Model Number	ST-Galaxia-SS-15 / ST-Galaxia-SS-20 / ST-Galaxia-SS-25
Height	4m-10m
SYSTEM MODULE	
Fixture Material	Die Cast ADC12+Extrusion Aluminum
System Color	Black / Silver / customized finishes available
Sail Area / EPA	0.24m ²
IP&IK Protection	IP65, IK10
Operating Temp	-25°C ~ +45°C
Warranty	10 Years
LED LIGHT	
LED Chips	CREE / OSRAM / LUMILEDS / Nichia / SEOUL
Power Consumption	15W / 20W / 25W
Output	140-150LM/W
Light Distribution	T2 / T3
Color	2700K~7000K
Runtime	STD-4 Step dimming
BATTERY	
Type	LiFePO4 Passive cell balancing technology / Individual cell monitoring / Deeper discharge cycles
Capacity	40Ah 12.8V (15W&20W) / 50Ah 12.8V (25W) LiFePo4
Cycles	3000
SOLAR MODULE	
Watt	Pmax 45W Monocrystalline
Bird Spikes	Stainless Steel (optional)
Design life	5-10 Years
Dimensions	700x345x4.5mm
MOUNTING OPTIONS	
Direct bury	
Base plate mount	

SPECIFICATION	
Model Number	ST-Galaxia-DD-30 / ST-Galaxia-DD-40 / ST-Galaxia-DD-50
Height	4m-10m
SYSTEM MODULE	
Fixture Material	Die Cast ADC12+Extrusion Aluminum
System Color	Black / Silver / customized finishes available
Sail Area / EPA	0.48m ²
IP&IK Protection	IP65, IK10
Operating Temp	-25°C ~ +45°C
Warranty	10 Years
LED LIGHT	
LED Chips	CREE / OSRAM / LUMILEDS / Nichia / SEOUL
Power Consumption	30W / 40W / 50W
Output	140-150LM/W
Light Distribution	T2 / T3
Color	2700K~7000K
Runtime	STD-4 Step dimming
BATTERY	
Type	LiFePO4 Passive cell balancing technology / Individual cell monitoring / Deeper discharge cycles
Capacity	60Ah 12.8V (30W&40W) / 90Ah 12.8V (50W) LiFePo4
Cycles	3000
SOLAR MODULE	
Watt	Pmax 90W Monocrystalline
Bird Spikes	Stainless Steel (optional)
Design life	5-10 Years
Dimensions	1400x345x4.5mm
MOUNTING OPTIONS	
Direct bury	
Base plate mount	

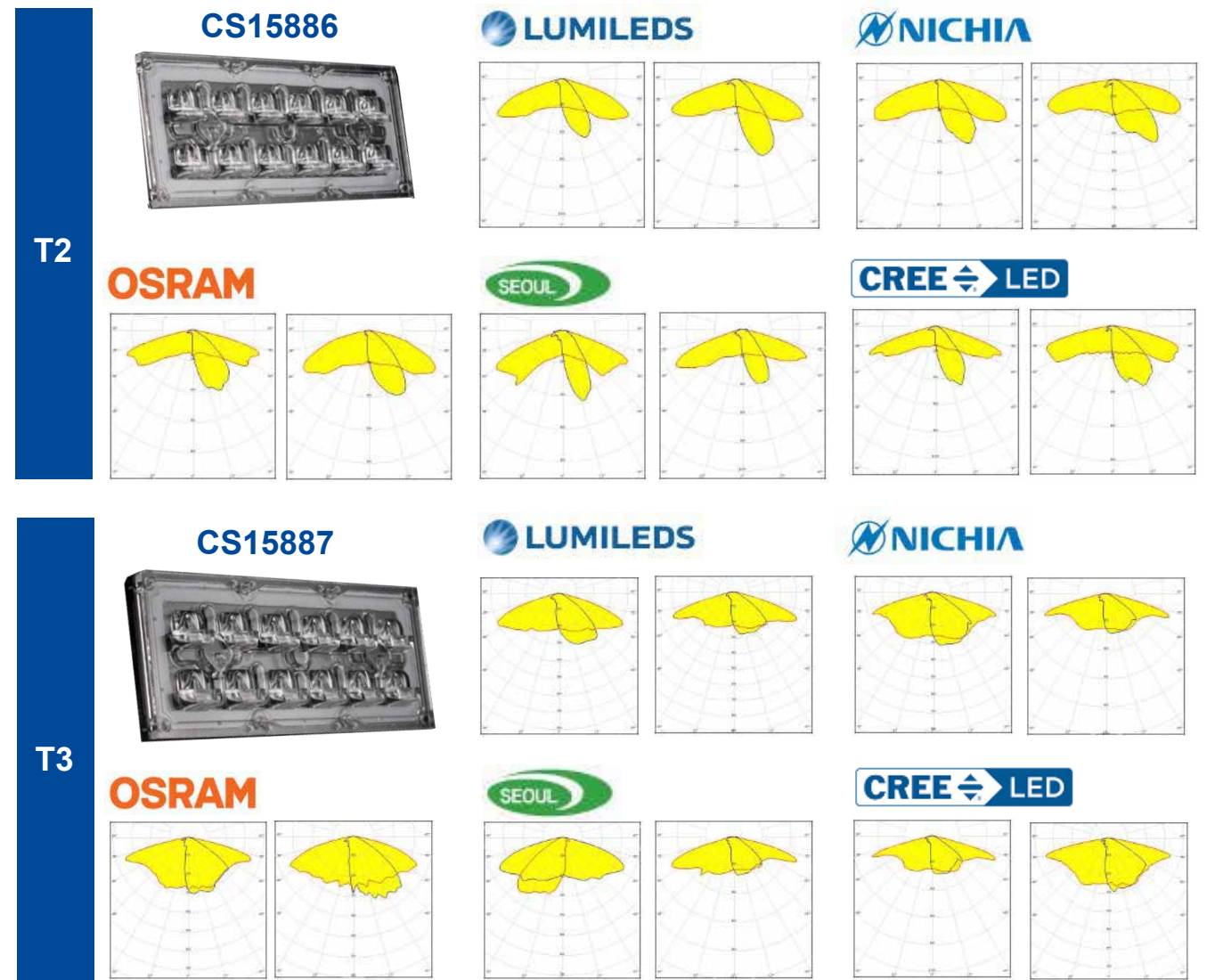
SPECIFICATION	
Model Number	ST-Galaxia-RS-30 / ST-Galaxia-RS-40 / ST-Galaxia-RS-50
Height	4m-10m
SYSTEM MODULE	
Fixture Material	Die Cast ADC12+Extrusion Aluminum
System Color	Black / Sliver / customized finishes available
Sail Area / EPA	0.84m ²
IP&IK Protection	IP65, IK10
Operating Temp	-25°C ~ +45°C
Warranty	10 Years
LED LIGHT	
LED Chips	CREE / OSRAM / LUMILEDS / Nichia / SEOUL
Power Consumption	30W / 40W / 50W
Output	140-150LM/W
Light Distribution	T2 / T3
Color	2700K~7000K
Runtime	STD-4 Step dimming
BATTERY	
Type	LiFePO4 Passive cell balancing technology / Individual cell monitoring / Deeper discharge cycles
Capacity	60Ah 12.8V (30W&40W) / 90Ah 12.8V (50W) LiFePo4
Cycles	3000
SOLAR MODULE	
Watt	Pmax 90W Monocrystalline
Bird Spikes	Stainless Steel (optional)
Design life	5-10 Years
Dimensions	700x345x4.5mm / 840x715x4.5mm
MOUNTING OPTIONS	
Direct bury	
Base plate mount	



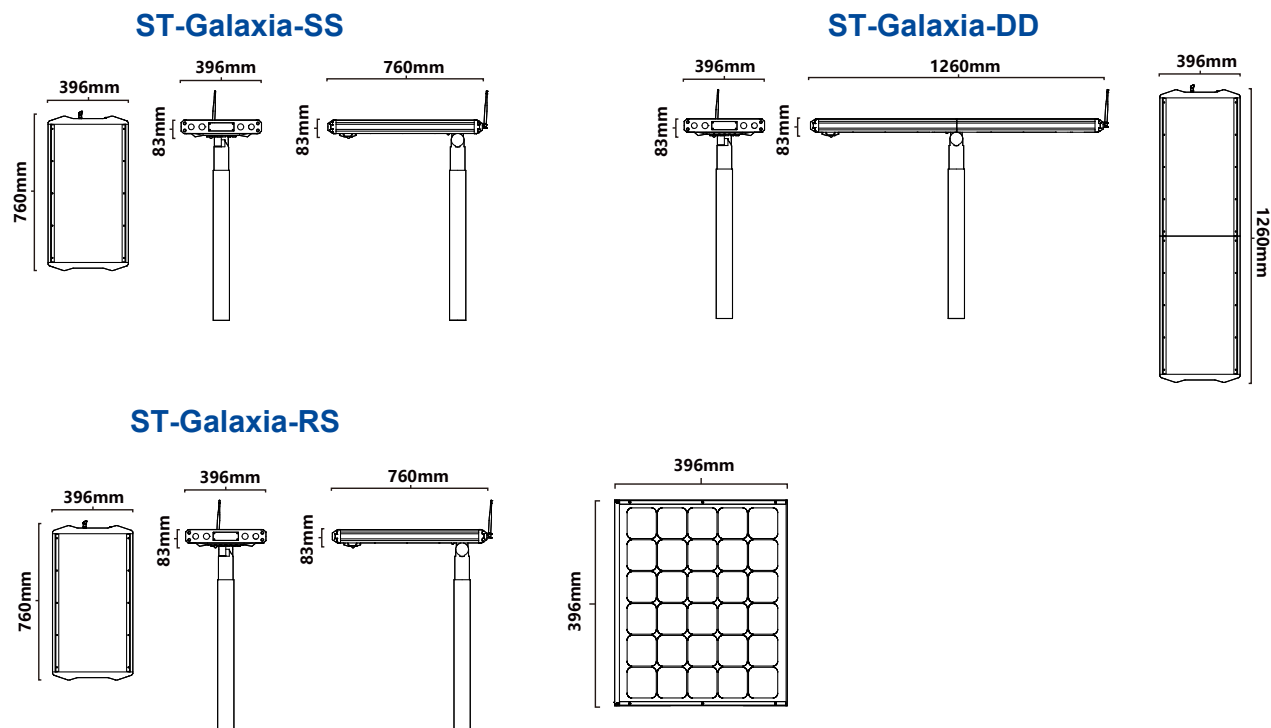
FACTORY SET SCHEDULE



LIGHTING DISTRIBUTION



DIMENSIONS



Extended Function

Galaxia
All-In-One
Light Box
Advertising



Galaxia
All-In-One
Monitor



Galaxia
All-In-One
Plus Solar
Module



Titan
All-In-Two
Series



Titan All-in-Two

ALL in two is a split system solar lamp with a multi-functional modular design capable of collecting and storing power for use by external devices. The power module features an efficient 120W solar panel with upgradeable battery storage options. It can also be dual installed, doubling the collection capacity of the solar panels to 240Wp, allowing for extended operation for more than 20 nights without further charging from the sun.

TITAN STRUCTURE

The Overturned Disassembly Structure is More Convenient for Later Maintenance

MPPT

Independently developed MPPT system, with remote control of PC and mobile terminal compatibility.

Product Feature

- Attractive fashion design
- It can be extended with flexible module configuration for versatile performance
- Super light weight high tensile strength alloy
- Flexible solar panel mounting orientation to maximize solar output
- Tilt Angle -90° to +90° 360° rotation
- Independent LED: Position luminaire independent of solar panel positioning
- Easy to install and debug
- Dc port: Charge input/output to power other devices
- APS Power scaling processor expands operation in inclement weather
- Adaptive motion sensors reduce environmental/wildlife impact

Other Parameters

Material : 6063-T5 aluminum alloy

Light pole sleeve fitting diameter : 64mm/ 2-3/8 "Tennon

Installation Angle : -90°- +90°

Operating Temperature: -20°C~+60°C

Protection class: IP65

Warranty: 5 years

12V EXTERNAL DEVICE PORT
EXTERNAL PHOTOVOLTAIC PANEL INTERFACE

Photovoltaic Panel

The default 210 architecture monocrystalline silicon photovoltaic panel can reach 120W in the 810x710mm size range, and currently similar products can only achieve 90w in this size range. In addition to the photovoltaic panels that come with the product, there are external expansion photovoltaic interfaces

Battery

The default battery life is 130h(up to 10 nights), the default battery capacity is 11.8v/60ah/708wh, and the anode material of the battery cell is Lico02+6C-Co02 +Lic6 with passive battery balance technology.

Modular battery compartment, later maintenance more convenient.

Titan

All-In-Two LED Solar Street Lights



Finish Color Codes



SPECIFICATION	
Model Number	ST-Titan-SS-30 / ST-Titan-SS-50
Height	4m-10m
SYSTEM MODULE	
LED Fixture Material	Die Cast ADC12
System Color	Black / Silver / customized finishes available
Sail Area / EPA	0.79m ²
IP&IK Protection	IP65, IK10
Operating Temp	-25°C ~ +45°C
Warranty	10 Years
LED LIGHT	
LED Chips	Nichia / SEOUL
Power Consumption	30W / 50W
Output	200LM/W
Light Distribution	T2 / T3 / T4 / T5
Color	2700K~7000K
Runtime	STD-4 Step dimming
BATTERY	
Type	LiFePO4 Passive cell balancing technology / Individual cell monitoring / Deeper discharge cycles
Capacity	35Ah 12.8V (30W) / 60Ah 12.8V (50W) LiFePo4
Cycles	3000
SOLAR MODULE	
Watt	Pmax 100W Monocrystalline
Bird Spikes	Stainless Steel (optional)
Design life	5-10 Years
Dimensions	840x715x62mm
MOUNTING OPTIONS	
Direct bury	
Base plate mount	

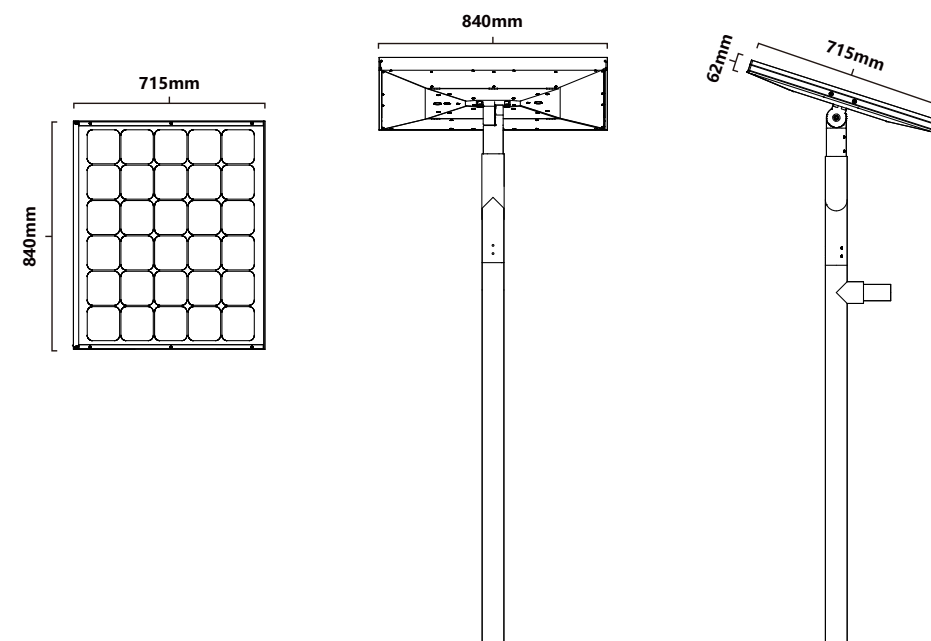
SPECIFICATION	
Model Number	ST-Titan-DS-15 / ST-Titan-DS-25
Height	4m-10m
SYSTEM MODULE	
LED Fixture Material	Die Cast ADC12
System Color	Black / Silver / customized finishes available
Sail Area / EPA	0.98m ²
IP&IK Protection	IP65, IK10
Operating Temp	-25°C ~ +45°C
Warranty	10 Years
LED LIGHT	
LED Chips	Nichia / SEOUL
Power Consumption	15W / 25W
Output	200LM/W
Light Distribution	T2 / T3 / T4 / T5
Color	2700K~7000K
Runtime	STD-4 Step dimming
BATTERY	
Type	LiFePO4 Passive cell balancing technology / Individual cell monitoring / Deeper discharge cycles
Capacity	35Ah 12.8V(15W) / 60Ah 12.8V (25W) LiFePo4
Cycles	3000
SOLAR MODULE	
Watt	Pmax 100W Monocrystalline
Bird Spikes	Stainless Steel (optional)
Design life	5-10 Years
Dimensions	840x715x62mm
MOUNTING OPTIONS	
Direct bury	
Base plate mount	



SPECIFICATION	
Model Number	ST-Titan-SD-80 / ST-Titan-SD-100
Height	4m-10m
SYSTEM MODULE	
LED Fixture Material	Die Cast ADC12
System Color	Black / Sliver / customized finishes available
Sail Area / EPA	1.39m ²
IP&IK Protection	IP65, IK10
Operating Temp	-25°C ~ +45°C
Warranty	10 Years
LED LIGHT	
LED Chips	Nichia / SEOUL
Power Consumption	80W / 100W
Output	180-190LM/W
Light Distribution	T2 / T3 / T4 / T5
Color	2700K~7000K
Runtime	STD-4 Step dimming
BATTERY	
Type	LiFePO4 Passive cell balancing technology / Individual cell monitoring / Deeper discharge cycles
Capacity	50Ah 25.6V (80W) / 70Ah 25.6V (100W) LiFePo4
Cycles	3000
SOLAR MODULE	
Watt	Pmax 100W×2 Monocrystalline
Bird Spikes	Stainless Steel (optional)
Design life	5-10 Years
Dimensions	1680x715x62mm
MOUNTING OPTIONS	
Direct bury	
Base plate mount	

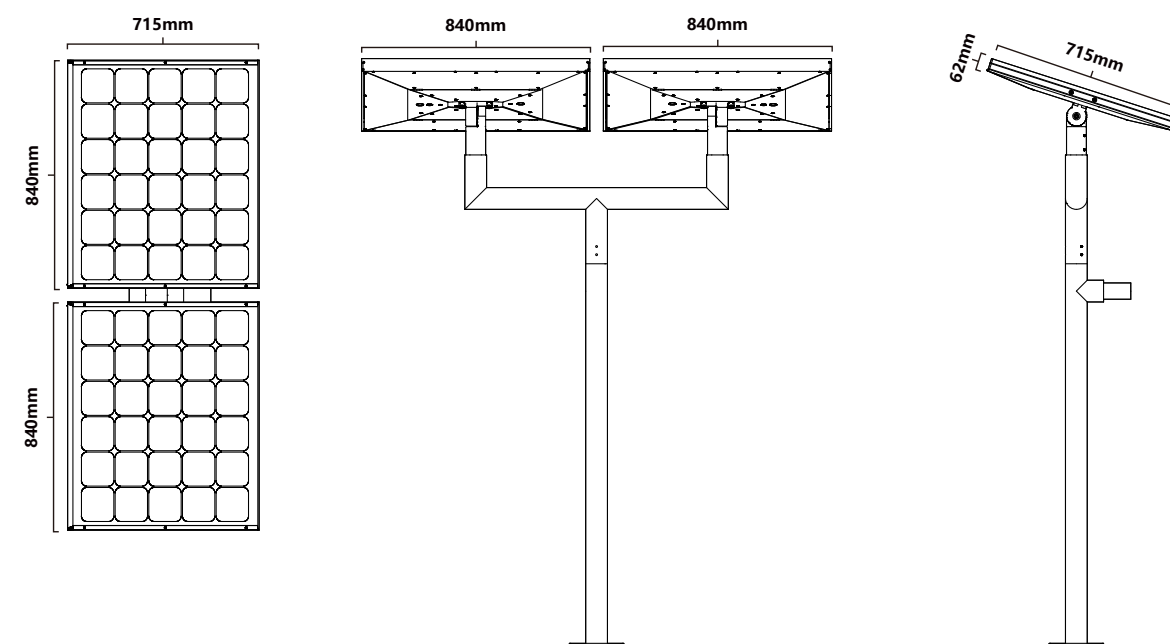
DIMENSIONS

ST-Titan-S



SPECIFICATION	
Model Number	ST-Titan-DD-40 / ST-Titan-DD-50
Height	4m-10m
SYSTEM MODULE	
LED Fixture Material	Die Cast ADC12
System Color	Black / Sliver / customized finishes available
Sail Area / EPA	1.58m ²
IP&IK Protection	IP65, IK10
Operating Temp	-25°C ~ +45°C
Warranty	10 Years
LED LIGHT	
LED Chips	Nichia / SEOUL
Power Consumption	40W / 50W
Output	200LM/W
Light Distribution	T2 / T3 / T4 / T5
Color	2700K~7000K
Runtime	STD-4 Step dimming
BATTERY	
Type	LiFePO4 Passive cell balancing technology / Individual cell monitoring / Deeper discharge cycles
Capacity	50Ah 25.6V (40W) / 70Ah 25.6V (50W) LiFePo4
Cycles	3000
SOLAR MODULE	
Watt	Pmax 100W×2 Monocrystalline
Bird Spikes	Stainless Steel (optional)
Design life	5-10 Years
Dimensions	1680x715x62mm
MOUNTING OPTIONS	
Direct bury	
Base plate mount	

ST-Titan-D





shineto[®]

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