



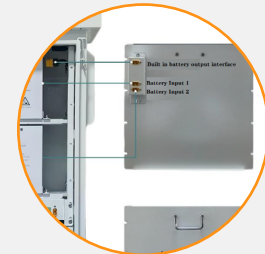
SGP-MAX3000P-KIT

SURVEILLANCE

SOLAR POWER ENCLOSURE



Red & Blue Strobe Light



Battery Switch



PoE

Total output power 120 W
Port 1: Max Output 60 W
Ports 2 - 8 : Max Output 30 W



TX60
DC 24 V 20 A



15EGW-3.81
DC 12 V 2 A

Installation Board

For hard drives and other devices such as 4G Router, Character Overlayer, NVR (Remove the casing), Gateway, Fiber optic transmitter, etc.

Camera Installation Location



Solar Control Switch

Select the battery type and then turn on the system



RG485 Output

AC Power Supply Module



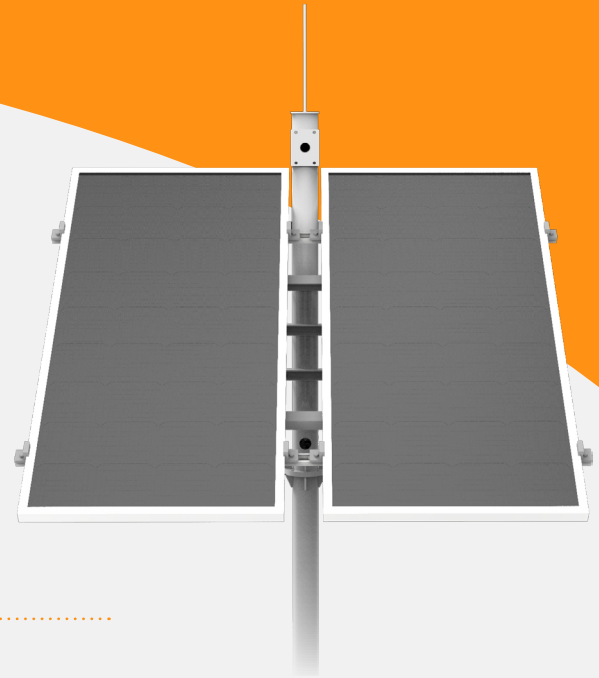
Solar Panel External Battery

Input Interface (MC4)

PTZ Installation Bracket

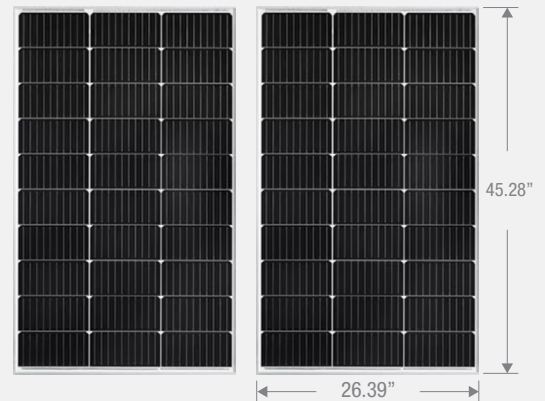
HEAVY-DUTY DURABLE BRACKET FOR SURVEILLANCE POLE

Compatible with 20 ft surveillance pole **SGP-POLE6**



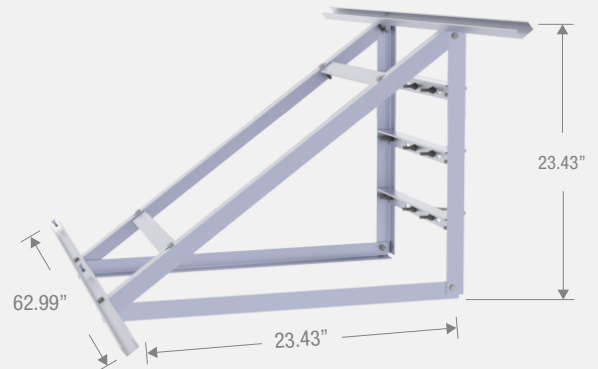
2x Single Crystal High-Efficiency Solar Panel **SGP-300W-P**

- 150 W 36 V
- High conversion rate, high-efficiency output
- Excellent power generation performance in low light environments
- Adopting high-quality tempered glass with high transparency
- High strength aluminum alloy frame, sturdy and durable
- Unique craftsmanship makes the components both aesthetically pleasing and easy to install
- Unique technology to prevent water accumulation, freezing, and deformation
- Adopting anti PID battery technology and component packaging technology
- Dimension: 45.28" x 26.39" x 1.57"
- Weight: 22.6 lbs



Solar Combination Bracket **SGP-S300W-M**

- Combination universal solar panel installation bracket
- Made of high-strength hot-dip galvanized steel sheet
- Installation of solar panels compatible with 100 W - 300 W
- 3 pcs U-shaped clamp
- Rust proof spray surface treatment
- Wind resistance level 89 mph
- Dimension: H: 23.43", W: 62.99", D: 23.43"



SGP-MAX3000P-KIT

SURVEILLANCE

SOLAR POWER ENCLOSURE

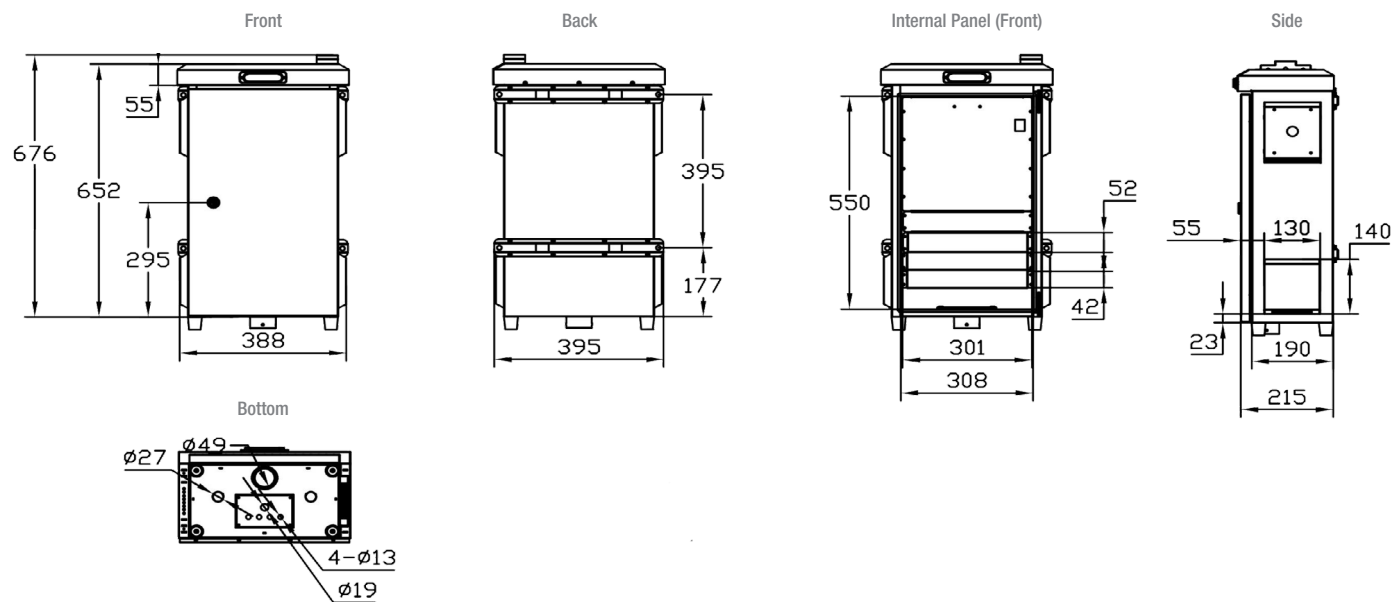


SOLAR POWERED CCTV EQUIPMENT BOX (SGP-MAX3000P-KIT)

POE Power Supply Port	
BT-PoE	1x 1000M BT PoE with a maximum output power of 60 W
Standard PoE	7x 1000M 48V national standard power supplies
Conventional Power Supply Port	
DC 24 V	1x TX60 maximum output current 20 A
DC 12 V	1x DC 12 V (15EDGW-3.81 external fixed terminal) single port 2 A constant current and constant voltage
Network Port	
Ethernet port	8x 100M/1000M Ethernet RJ45 ports
Battery Characteristics	
Battery Capacity	DC 22.2 V 60 AH 1330 Watt (Factory standard) *2
Battery Cell	CATL
Charge & Discharge Times	Support repeatedly charge & discharge for 1200-3000 times Keep more than 80% of the charging capacity Service life is 5-7 years
Switching Loss / Protection / Capacity	10% conversion loss + 20% protection capacity 2660 × 0.7% = 1860W (Actual available capacity)
Volume	235 (L) × 155 (W) × 115 (H)
Weight	7.2 kg (standard built in battery pack)
Extend	Unlimited external battery capacity
Working Temperature	-25 °C ~ +55 °C (low temperature environment requires set the external battery underground)
Customized External Battery Pack	Support customized capacity and design cycle time according to Power consumption of load equipment
Charging Module	
AC Charging Module	AC 100 V - AC 277 V Input DC 52 V 1.5 A
Energy Storage Port	
Solar Panel Input	XT60-MC4
Battery Pack Input	XT60-XT60 built-in battery; XT60-MC4 external battery
LCD Screen	
OLED	Industrial grade 0.96" OLED display screen operating temperature: -40 °C to 70 °C
Status Display	Charging and discharging current and voltage, battery, solar panel current and voltage, load equipment current and voltage
POE Host Panel Indicator Light	
Network Indicator Light	Startup, networking, Poe power supply
Charge and Discharge Performance	
Max. Charging Current	25.2 V 40 A - 20 A constant
Max. Discharging Current	DC output 20 A constant
PoE Discharge Total Power	8 PoE ports discharge a total power of 120 W
MPPT Intelligent Tracking Maximum Efficiency Three-Stage Algorithm	The first stage of battery depletion state: trickle charging (charging with a small current rising uniformly)
	The main stage of the second phase is MPPT maximum efficiency charging within the rated charging current
	Third stage constant voltage charging: Stop charging when the capacity reaches the predetermined value

Network Transmission Performance	
Network Protocol	IEEE802.3, IEEE802.3i, IEEE802.3u, IEEE802.3z, IEEE802.3x
Bandwidth	56G unobstructed
Packet Forwarding Rate	40.32 Mbps
MAC Address	8K
Port Speed	Automatic state 10/100/1000M adaptive, manual state adjustable settings
PoE Performance	
PoE Standard	IEEE802.3 AF (15.4 W) / AT (30 W) / BT (60 W)
PoE Distance	Ultra Category 5 Ethernet cable 180 m / Ultra Category 6 Ethernet cable 250 m Extend OFF:100 / ON: 250
PoE Protection	High frequency short-circuit surge, overcurrent, overvoltage, and overload
PoE Startup	Ports are powered one by one with an interval of 50 ms
Charge Discharge Protection	
Delayed charging	Accurate control of charging and discharging for detecting evening and morning light intensity
Reverse Current Protection	When it is cloudy or there is no sunlight at night, prevent the battery from flowing back into the solar panel
Power On Detection	Avoid repeated startup damage caused by starting the device on low battery
Wiring Protection	Reverse load connection to prevent burning
PCM	Dual PCM protection battery prevents overcharging and overdischarging
Charging Protection	Adopting MPPT efficient charging tracking algorithm to extend battery life
High Temperature Protection	Detecting high motherboard temperature and automatically shutting down the system to protect the host
High Temperature Heat Dissipation	If the internal temperature of the system exceeds 45 °C above zero, immediately start ventilation and heat dissipation to balance the ambient temperature inside the system
Physical Connection Security Guarantee	
Fully Automatic Recognition Startup	No need to connect batteries, solar panels in order, responsible for plug & play automatic recognition of equipment
POE Secure Power Supply	Compliant with the international power supply standard IEEE802.3, it will never burn out and automatically identify the required power receiving equipment protocol for handshake power supply
Host Working Environment	
Shell Material	Protection grade IP65; Iron shell
Working Temperature	-25 °C ~ +55 °C (-13 °F ~ +131 °F)
Storage Temperature	-25 °C ~ +75 °C (-13 °F ~ +167 °F)
Relative Humidity	5% ~ 95% (No condensation)
Product Size	3950 mm × 215 mm × 676 mm (155.51" × 8.46" × 26.61")
Others	
Installation Method	Wall mounted holding pole
Box	Fully galvanized steel sheet sprayed with outdoor paint
Installation of External Devices	Dome Camera, Bullet Camera, PTZ Camera, IP Speaker

CCTV Equipment Box Dimensions (mm)

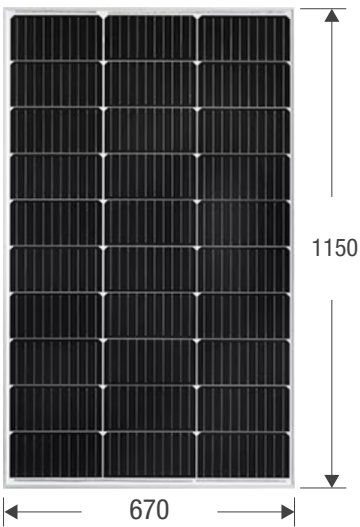


SINGLE CRYSTAL HIGH-EFFICIENCY SOLAR PANEL (SGP-300W-P)

Electrical Performance Parameters

Component Model	150 W - 36 V
Component Encapsulation	Tempered glass / EVA / Battery Cells / EVA Backplate
Solar Silicon Crystal	Monocrystalline silicon
Characteristics of crystalline silicon	High conversion efficiency of strong light
Cell Size and Quantity	210 mm × 60 mm (8.26" × 2.36") / 72
Max Output Power	150 W × 2
Max Operating Voltage	37.26 V
Max Operating Current	4.11 A
Open Circuit Voltage	44.71 V
Short-Circuit Current	4.30 A
Allowable Error	5%
Max System Open Circuit Voltage	1000 V
Size	1150 mm × 670 mm × 30 mm (45.27" × 26.37" × 1.18")
Product Weight	10.27 kg (22.64 lbs)
Working Temperature Range	-40 °C ~ 85 °C (-40 °F ~ 185 °F)
Relative Humidity	< 90%
Border Thickness	< 1 mm
Frame	Anodized aluminum alloy

Solar Panel Dimensions (mm)



SOLAR COMBINATION BRACKET (SGP-S300W-M)

Specification

Type	Solar mounting
Material	High quality SGCC
Specification	Normal
Color	Grey
Installation Site	Vertical pole
Wind Resistance Capability	89 mph
Fixed Method	Hug hoop
Solar Panel Size	100 W - 300 W horizontal and vertical installation
Dimension	595 mm × 1600 mm × 595 mm (23.43" × 62.99" × 23.43")
Weight	22 kg (48.50 lbs)
Working Temperature	-40 °C ~ 80 °C (-40 °F ~ 176 °F)

Bracket Dimensions (mm)

