

120W 60AH 768Wh Solar System

Model: CS12060



With High-Efficiency Mono Solar Panels And A LiFePO4 Battery, The Maxsol Solar Power System Provides Stable Power For Outdoor Cameras And Network Bridges. Ideal For Off-Grid Areas, It Eliminates Cabling And Reduces Costs. Suitable For Devices With Total Power Consumption Under 20W.

- CCTV Solar Power Supply 120W60AH 768WH Solution
- Solar panel: 120W monocrystalline silicon solar panel
- Battery: 60AH12.8V LifePO4 Battery, total: 768WH
- MPPT Solar Controller, 3*DC12V Output Port
- Installation Bracket for Solar Panel and Battery
- Other accessories: Battery Mount, Screws, DC Cable, etc
- Optional Selection: RS485

Solar Panel Specification

Model	CS12060 (120W60AH12.8V)
Module packaging	Tempered glass/EVA/cell/EVA backplane
Solar silicon crystal	Mono-crystalline silicon
Crystalline silicon characteristics	High efficiency of strong light conversion
Cell size and quantity	210*70/36
Maximum output power	120W
Maximum operating voltage	20.52V
Maximum operating current	6.18A
Open circuit voltage	24.9V
Short circuit current	6.5A
Tolerance	3%
Maximum system open circuit voltage	1000V
Solar Panel Dimensions	910mm*670mm*30mm
Operating temperature range	-40~85℃
Relative humidity	<90%
Frame thickness	0.88MM
Frame	Anodized aluminum alloy



Battery Specification

Solution	MPPT (input maximum power tracking algorithm), constant voltage output,
Battery capacity	12.8V/60AH (768WH)
Charging indication	LED status indicator
Input interface	Photovoltaic aviation plug
Output interface	DC5.5mm diameter standard male plug, 2-way output
Output voltage	12V±50mV
Output current	≤3A±50mA (total of two outputs)
Discharge utilization	≤90%
Operating temperature	Charging: 0~45℃ Discharging: -10~55℃ (accuracy: ±1℃)
Over-current protection	>4A (over-current protection for more than 3 seconds, green light flashes)
Overcharge and over-discharge protection	Over-discharge protection: <10V; Over-charge protection: >14.6V (accuracy: ±0.1V)
Output short circuit protection	Green light flashes, green light stays on after short circuit is removed
RS-485 communication	Output power, voltage, current and other information according to customer needs
Battery heating function	When photovoltaic input is available, heating starts when temperature is below 0℃, and stops when temperature rises to 8℃
Heating power	Maximum 15W
Storage temperature	-20~35℃
Battery case Dimensions	650mm*98mm*82mm
Product capacity	20%-30%
Battery material	Lithium iron phosphate/LifePO4 battery

Battery life and charging

Power off battery life	2 years (battery pack has no output after shutdown, power loss is self-discharge of battery cells, about 3%-5%/month)
Power on battery life	About 25 days (normal temperature, no load)
Load battery life	About 3 days (room temperature, no charging, mounted mobile camera sample + sound column measurement)
Recharge time (0~100% power)	Conditions: normal temperature, 120W photovoltaic panel, standard light duration 4~5 hours/day Without load: about 1 day With load: about 1.2 days

All-in-one Package

Size	925mm*735mm*230mm
Weight (Include bracket and accessories)	17KG
Content	1* Solar Panel 1* Battery case (Inside with battery) with DC output connectors 1* Bracket for Solar panel &Battery case 1* U Shape mount for Pole installation 1* Screws pack





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