

## 60W 30AH 384Wh Solar System

Model: CS6030



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 60W30AH 384WH Solution
- Solar panel: 60W monocrystalline silicon solar panel
- Battery: 30AH12.8V LifePO4 Battery, total: 384WH
- 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	CS6030 (60W30AH12.8V)
STC peak power	60W (single piece)
Module packaging	Tempered glass/EVAcell/EVA backplane
Solar silicon crystal	Mono-crystalline silicon
Crystalline silicon characteristics	High efficiency of strong light conversion
Cell size and quantity	210*40/33
Maximum output power	60W
Maximum operating voltage	19.38V
Maximum operating current	3.10A
Open circuit voltage	22.0V
Short circuit current	3.47A
Tolerance	5%
Maximum system open circuit voltage	1000V
Solar Panel Dimensions	530mm*350mm*25mm
Operating temperature range	-40~85°C
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/30AH (384WH)
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°C Discharging: -10~55°C (accuracy: ±1°C)
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°C, and stops when temperature rises to 8°C
Heating power	Maximum 15W
Storage temperature	-20~35°C
Battery case Dimensions	500mm*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, 60W 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	730mm*520mm*240mm
Weight (Include bracket and accessories)	11.5KG
Content	<p>1* Solar Panel</p> <p>1* Battery case (inside with battery) with DC output connectors</p> <p>1* Bracket for Solar panel &amp;Battery case</p> <p>1* U Shape mount for Pole installation</p> <p>1* Screws pack</p>



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