

30W 15Ah 192Wh Solar System

Model: CS3015



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 30W15AH 192WH Solution
- Solar panel: 30W monocrystalline silicon solar panel
- Battery: 15AH12.8V LifePO4 Battery, total: 192WH
- 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	CS3015 (30W15AH12.8V)
Communication interface	Mono-crystalline silicon
Maximum power	30W (1000W/m² standard lighting test conditions)
Open circuit voltage	22VDC
Maximum current	4.4A
Solar Panel Dimensions	530mm*350mm*25mm

Battery Specification

Solution	MPPT (input maximum power tracking algorithm), constant voltage output,
Battery capacity	12.8V/15AH (192WH)
Charging indication	LED status indicator
Charging voltage	15-18VDC
Maximum charging current	6A
Output voltage	12±0.2VDC
Maximum output current	3A (total of 2 outputs)
Battery pack overcharge voltage	14.6VDC
Battery pack over-discharge voltage	10VDC
Input interface	Photovoltaic aviation plug
Output interface	DC5.5mm diameter standard male plug, 2 outputs in total
Power on power consumption	0.5±0.1W (normal temperature, no load when powered on)
Waterproof level	IP65
Storage temperature	0~45°C
Operating temperature	Charging: -10~50°C Discharging: -10~60°C
Battery case Dimensions	500mm*98mm*82mm

Battery life and charging

Battery life when powered off	2 years (battery pack has no output after shutdown, power loss is self-discharge of battery cells, about 3%-5%/month)
Battery life when powered on	About 25 days (normal temperature, no load)
Battery life with load	About 1-2 days (room temperature, no charging, mobile camera mounted)
Recharge time (0~100% battery)	Conditions: normal temperature, 30W photovoltaic panel, standard light duration 4~5 hours/day

All-in-one Package

Size	730mm*380mm*240mm
Weight (Include bracket and accessories)	7.9KG





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