

CCTV SOLAR POWER SUPPLY SYSTEM

200W Solar Power System with 100Ah LiFePO4 Battery

Model CS200100



High-efficiency 200W solar power system with 1280Wh LiFePO4 battery. Rugged IP65 design for off-grid CCTV & surveillance. Ideal for industrial integrators.

Features

- CCTV Solar Power Supply 200W/100AH 1280WH Solution
- Battery: 100AH12.8V LifePO4 Battery, total: 1280WH
- Battery Cabinet Box(500mm*400mm*200mm)
- Solar panel: 200W monocrystalline silicon solar panel
- MPPT Solar Controller, 3*DC12V Output Port
- Other accessories: Battery Mount, Screws, DC Cable, etc

Solar Panel

Model	CS200100
Material	High-efficiency mono-crystalline silicon cell, high-strength aluminum alloy frame
Panel materials	Super white toughened glass
Life	25years
Maximum power (Pm)	200W
Photoelectric Conversion Efficiency (%)	≥20.4%
Voltage at Pmax (Vmp)	18V
Current at Pmax (Imp)	10.96A
Open-Circuit Voltage of Solar Panel (V)	22.0V
Open circuit voltage – VOC (V)	21.80A
Short circuit current – ISC (A)	11.62A
Module dimensions (L×W×H)	1290*760*30mm
Module weight (KG)	10.3 Kg
Frame material and dimensions (mm)	Anodized aluminum alloy 1.2mm
Module packaging	Tempered glass/EVA/cell/EVA backsheet

Charger

PV Charging Method	MPPT
System voltage	12V/24V
Max PV Input	180W/12V 360W/24V
MAX PV Input Voltage	65V
MAX PV Charge Current	20A
Maximum PV input current	15A
MPPT tracking efficiency	> 99%

Power Supply System

Power output	12V
DC connector	3.1MM×10MM
Battery capacity	100AH / /LiFePo4 Battery
Battery Size	220*170*120mms
Battery life	> 3 years
Charging time	5(H)
Controller	Fully intelligent digital controller, with the functions of preventing overcharge, overdischarge, lightning protection, short circuit and reverse connection
Controller life	>10 Years
Waterproof coefficient	IP65
Outer packing size	Solar Panel Size : 1490*685*40mm Battery Size: 320*170*120±2mm Cabinet Size: 520*450*240mm Triangle bracket: 682*520*620mm Cross arm: 815*620*720mm Camera Arm: 530*140*140mm
Battery operating temperature range	-40°C-80°C
Net Weight	36KG



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