

CCTV SOLAR POWER SUPPLY SYSTEM

## 200W 48V LiFePO4 Solar Power System for CCTV

Model CS2002048



Industrial 200W solar power system with 960Wh 48V LiFePO4 battery. Features MPPT charging and IP65 cabinet. Durable CCTV solution for system integrators.

### Features

- CCTV Solar Power Supply 200W/20AH 960WH Solution
- Battery: 20AH48V LifePO4 Battery, total: 960WH
- Battery Cabinet Box(500mm\*400mm\*200mm)\*1
- Solar panel: 200W monocrystalline silicon solar panel
- MPPT Solar Controller, 2\*DC48V OUT
- Other accessories: Battery Mount, Screws, DC Cable, etc

## Specification

### Solar Panel

|                                         |                                                                                   |
|-----------------------------------------|-----------------------------------------------------------------------------------|
| Model                                   | CS2002048                                                                         |
| 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 )                 | 72V                                                                               |
| Current at Pmax ( Imp )                 | 90V                                                                               |
| Open-Circuit Voltage of Solar Panel (V) | 2.8A                                                                              |
| Open circuit voltage – VOC (V)          | 2.7A                                                                              |
| Short circuit current – ISC (A)         | ≥20.4%                                                                            |
| Module dimensions (L×W×H)               | 1120mm*670mm*35mm                                                                 |
| Module weight (KG)                      | 6.8 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           | 48V   |
| MPPT tracking efficiency | > 99% |

### Power Supply System

|                                     |                                                                                                                                                              |
|-------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Power output                        | 48V                                                                                                                                                          |
| DC connector                        | DC5.5MM*2.5MM                                                                                                                                                |
| Battery capacity                    | 20AH / LiFePo4 Battery                                                                                                                                       |
| Battery Size                        | 370*145*96mm                                                                                                                                                 |
| 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                                                                                                                                                         |
| Battery operating temperature range | -40°C-80°C                                                                                                                                                   |

### Package

|                    |                                                                                                                                                                                                   |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Outer packing size | Solar Panel Size : 1120mm*670mm*35mm<br>Battery Size: 370*145*96mm±2mm<br>Cabinet Size: 520*450*250mm<br>Triangle bracket: 682*520*620mm<br>Cross arm: 815*620*720mm<br>Camera Arm: 530*140*140mm |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|



## Contact us

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