

Solar Charge Controller CD series(CD12/2420-12/24V20A)

With DC Loads Function

Description

The new version of C series solar charge controller series is especially designed for small solar systems with the need of a low battery disconnect feature. Leisure and rural electrification systems are the typical applications for this product. It is perfect solution for cost-sensitive systems which require state-of-the-art system management.

Features

- 5 LED indications: charge status, SOC, LVD, overload/short circuit
- Maximum 16 sq.mm connecting terminals
- Fully electronically protected: Panel surge voltage, wrong polarity at panel or battery, overload and short circuit at load.
- The melting fuse of the predecessor has been replaced by a fully electronically protected circuit
- Selectable charging model (Gel & Sealed battery type)
- Reverse blocking MOSFET
- Automatic temperature compensation
- Common positive allows grounding



Specifications

| | | |
|--------------------------------|--|--------------------|
| Model | CD12/2420-12/24V20A | |
| Normal (system) Voltage | 12/24V auto. Detection | |
| Battery Selection | Liquid Electriylte | GEL(VRLA Battery) |
| Boost Voltage | 14.5V/29V (25°C) | 14.3V/28.6V (25°C) |
| Equalization Voltage | 14.8V/29.6V (25°C) | 14.4V/28.8V (25°C) |
| Float Voltage | 13.7V/27.4V (25°C) | 13.6V/27.2V (25°C) |
| Low Voltage Disconnect | 11/22V controlled by voltage | |
| Low Reconnect Voltage | 12.8V/25.6V | |
| Max. Charging Current | 20A | |
| Max. DC Output | 20A | |
| Protections | PV & Battery Reverse Polarity, Overload, Short-circuit | |
| Self Current Consumption | 4mA | |
| Operating Temperature Range | -40~50°C | |
| Auto. Temperature compensation | Yes | |
| Charging model selectable by | Adjusting on PCB | |
| Max. Wire Size | 16 mm ² (AWG#6) | |
| Dimension | 11.5*9.1*4.8cm | |
| Case Protection | IP22 | |
| Case Material | ABS | |
| Product Weight | 244g | |
| Case Color | Blue , Silver and Black selectable | |
| Packing | Color box, 50 pcs/16Kg/Carton(51*30*26.5cm) | |

Specification prior to change without notice