

SOLAR CHARGE CONTROLLER With DC Load Function

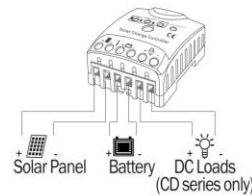
CD series (CD12/24-10 - 12/24V auto.detection 10A)

DESCRIPTION

The new version of C series solar charge controller 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

- 3 LED indications: charge status, SOC, LVD, overload/short circuit
- Mximum 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- The melting fuse of the prodecessor has been replaced by a fully electronically protected circuit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 | CD12/24-10 | |
|-------------------------------|--|---------------------|
| NORMINAL (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 | 10A | |
| MAX. DC OUTPUT | 10A | |
| 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 | 8.5*7*3.6cm | |
| CASE PROTECTION | IP22 | |
| CASE MATERIAL | ABS | |
| PRODUCT WEIGHT | 120g | |
| CASE COLOR | Blue and Black selectable | |
| PACKING | Gift box , 100 pcs/16.6Kg/Carton(55.5*24.5*36cm) | |

Note: Specification prior to change without notice