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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- The melting fuse of the predecessor has been replaced by a fully electronically protected circuit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