

CD-B Series charge controller (Plastic case)



Features

- Molded integrated design, safer working;
- Apply special software, intelligent control, advanced, reliable, efficient. Effectively guarantee and extend the life of the system;
- With over charge, over discharge, reverse connected protection, improve battery life, ensure usage time of MTBF;
- Apply series connection PWM control technology, improve battery charge efficiency;
- Intuitive LED instruction, concise variety of working conditions;
- Utilize external temperature to compensate temperature sensor, makes it more accurate to control;
- Use a large diameter port wiring terminals, maximum 4mm² wire can be installed, firm installation, not easy to slide wire, good insulation;

Specification

Model	CD-B125EP	CD-B245EP	CD-B1210EP	CD-B2410EP
System voltage(V)	12V (12V/24V Self recognition)	24V (12V/24V Self recognition)	12V (12V/24V Self recognition)	24V (12V/24V Self recognition)
Rated current(A)	5A	5A	10A	10A
Rated load Current(A)	5A	5A	10A	10A
Charging Mode	PWM Pulse Width Modulation			
Protective Function	Charging reverse protection, Battery overcharge, Battery over discharge, Overload, Short circuit, Battery reverse protection.			
Overload Protection	When the load current exceeds 1.25 times the rated current, about a minute controller automatically disconnect the load; when the load current exceeds the rated current 1.5 times, about 15 seconds the controller automatically disconnect the load; when the load current exceeds the rated current of 3 times, the controller automatically immediately disconnect the load.			
No-load Power Consumption	≤20mA			
Over-discharge Protection Point	11.1V; ×2/24V			
Over-discharge Recovery Point	12.5V;×2/24V			
Overcharge Protection Point	14.5V; ×2/24V			
Float Voltage	13.8V; ×2/24V			
Temperature Compensation	5mV / °C;/2V (Ascending, Straight, Floating charge, Charge return voltage compensation)			
Charging Circuit Voltage Drop	≤0.3V			
Load Circuit Voltage Drop	≤0.15V			
Operating Temperature	—20~55°C			
Operating Altitude	≤4000m			
Dimension(mm)	135×68×26.9(Seat hole high 32.5); 126×50mm (Mounting hole)			
Package Size(mm)	145×104×60			
Net Weight(g)	158			