

Solar Charge Controller 12V 5A

Product Description:

SOLAR CHARGE CONTROLLER solar battery charger has mainly three basic functions: 1) to limit the voltage from the solar panel and regulate the same so as not to overcharge the battery 2) not to allow the battery to get into deep discharge mode while dc loads are used 3) to allow different dc loads to be used and supply appropriate voltage A charge controller limits the rate at which electric current is added to or drawn from electric batteries. It prevents overcharging and may prevent against overvoltage, which can reduce battery performance or lifespan, and may pose a safety risk. It may also prevent completely draining ("deep discharging") a battery, or perform controlled discharges, depending on the battery technology, to protect battery life. Belifal's is pioneer in the manufacture of solar products. Our Charge Controller 5 Amps is manufactured using highly qualitative raw materials as per the prevailing industrial guidelines and norms. They are well-known for their exceptional performance. Their energy-efficiency helps in reduction of the electricity bill. They are available to clients in customized specifications at leading market rates. **Please connect battery wire first to the controller and only then the solar panel wire to the controller otherwise the controller will get damaged and warranty will be voided.**



Benefits:

Excellent Charging algorithm Compact in size and easy to install.

Offers long life to battery. Negligible self consumption. Negligible voltage drops.

3 Stage battery charging - Boost / Absorption / Trickle charging mode

Low voltage protection Battery overcharge protection, solar battery charger DC Voltage 12 V

DC Current 5 Amps Technology PWM Built in Dusk down operation Connections PV, Battery and Load

Technical Specifications:	Rating:
For 12V Pv System: 70W Solar Panel, 12V Lead-acid Battery, 21V for Max input Voltage	12 Volt, 20 Amps (for PV and load)
Overcharging protection	Equalization voltage: 14.8 Volt
Can be used for all panels	High voltage disconnect (HVD): 14.4 Volt
Deep discharging protection	Float voltage: 13.6 Volt
Short and Open Circuit protection	Low voltage disconnect (LVD) 11.1 Volt
Full specification available if required	Low voltage reconnect (LVR): 12.6 Volt
Fail Safe and cannot be damaged by accidental wiring mistakes	Self-consumption: 6mA maximum
Dimensions: 14.6 x 12.6 x 6 cm Weight: 240 g	Temperature: -35°C to +55°C
Advanced design with simple plug and play technology. No need for complicated adjustments	
Full LED status indication: State of Charge (SOC) Red-Flat Battery: Amber-Low charge: Green- good charge: Green Flashing- Full Charge	