

CSL7001

Solar charge controller MPPT

Features

- Designed and made in India
- MPPT Charging
- Auto Recognition (12V/24V)
- >95% Efficient Power Conversion
- Lithium Charging Compatible
- Compact Form Factor
- Easy Installation
- High Reliability
- Electronic Protection

Applications

- Meteorological observatory stations
- Automatic weather stations
- Automatic streetlights
- Telemetric stations



Technical specifications

Description	Parameters	
Nominal System Voltage (Auto Select)	12V	24V
Battery Voltage Range	10V-18V	20V-36V
Rated Current	05A, 10A	
Self-Consumption	<15mA	
Over-Voltage Disconnect	15.5V	31V
Low-Voltage Disconnect	11V	22V
Load Reconnect Voltage	12.8V	25.6V
Equalization Voltage	14.8V	29.6V
Boost Charge Voltage	14.4V	28.8V
Float Voltage	13.8V	27.6V
Maximum Panel Voltage	50V	85V
Charging Topology	MPPT	
D2D Detect Voltage	5.5V	
Operating Temperature	-40°C to 75°C	
Suitable Battery	Lead Acid (Gel, Sealed, Tubular) Lithium Batteries (Li-Ion, LFP)*	
Overall Dimensions	112 x 90 x 36 mm	
Net Weight	<250 gms	
IP Rating	IP20	

Note: Image shown here is only for reference, accessories are not part of the standard supplies