



Solar Charge Controller PWM - High Voltage

Models
60V to 240V 20A/40A
models available

Features:

- | Microprocessor based efficient PWM charge controller
- | 3 Stage battery charging - Boost, Absorption, Trickle charge
- | Equalizing charging mode for equalizing battery bank voltages
- | 16 x 2 LCD display with back light shows detailed information
- | User can adjust battery charging voltage and set max. charging current
- | Hybrid functionality option - Priority charging of inverter batteries using Solar energy
- | Battery overcharge protection & battery temp. compensated charging
- | Reverse polarity protection with LED indication - For battery and PV Panel both
- | Perfect Solar solution for petrol pumps, offices, institutes with normal inverters
- | Rugged, compact and attractive product design
- | 1 Year product warranty



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TECHNICAL SPECIFICATIONS

Parameters	MODEL: CC PWM HV
Charge controller type	Microprocessor controlled high efficiency PWM design
Display Type	16 x 2 LCD digital display with backlight
Battery Voltage	60V / 72V / 96V / 120V / 180V / 196V / 240V (factory set)
Maximum solar panel voltage	400 V
Charging method	3 stage battery charging - Boost/Absorption/Trickle mode
Max Charging Current (at 25 °C)	20 A and 40A
Equalizing charging mode	Yes
Temp. compensated battery charging	Yes (Built-in ambient temperature sensor & battery temp. sensor accessory)
Product Efficiency (%)	Up to 98%
Parameters displayed on LCD	PV power, Cumulative PV KWHr, Battery voltage, Battery current, Battery charging mode, Night mode, Time since dusk, Ambient/Battery temperature
Programmable parameters[#] (Using 3 buttons on front panel)	Battery end-of-charge voltage (Range: 13.6V - 14.5V) Battery trickle charge voltage (Range: 13.2V - 14V) Battery equalizing charge voltage (Range: 14V - 14.8V) Maximum battery charging current (Range: 5A - 20A) Power saver mode (Optional accessory required)
Optional Accessories	Battery temperature sensor with 2 meters cable Power saver box: For inverters (Mains supply to inverter is cut-off when sufficient solar energy is available. This ensures saving in electricity bills)
General Specifications	
Specified Temperature Range	0 °C to 45 °C
Usage	For indoor use only
Unit Weight	1.4 kg
Dimensions (H x W x D)	190mm x 160mm x 80mm
Mounting	Vertical wall mount - indoor only
Manufacturing Warranty	One year

* Technical Specification may change in process of product enhancement

Multiply shown battery voltages with number of batteries in battery bank to get actual values.

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