

24 / 36 / 48 Volts 30 Amp Solar Charge Controller

Technical Specifications				LED INDICATION	
Technology	MCU based PWM controlled charging			Yellow LED Steady	Solar Available and charging the battery
Type	Series regulator common positive			Yellow LED Blinking	Solar Available and Battery is fully charged
ELECTRICAL					
System Voltage	24V/36V/48V(Default Setting 48V)			Red LED Steady	Battery Low
Battery Selection(Manually)	24V	36V	48V	Red LED Blinking	High Charging Current
Charging current (Nominal)	30A				Battery Voltage too High
Bulk Voltage (Adjustable)	27.8V-31.8V(28.4V Default)	41.7V-47.7V(42.6V Default)	55.6V-63.6V(56.8V Default)		Solar Input Short or Reverse Current
Absorption period	Upto 1Hour based on Battery DOD condition.				Load Short Circuit
Float Voltage	26.6V-28.2V(27.0V Default)	39.9V-42.3V(40.5V Default)	53.2V-56.4V(54.0V Default)	PANEL REVERSE	Solar Panel Reverse Connection
Low Battery	21.0V±0.2V	31.5V±0.2V	54.0V±0.2V	BATT REVERSE	Battery Reverse Connection
PROTECTIONS					
Battery Reverse Connection	Electronically Protected			LCD DISPLAY	START UP SCREEN
Battery Discharge by Panel	Electronically Protected				PV POWER & AVAILABILITY
Solar Reverse Connection	Electronically Protected				SELECTED BATTERY BUS
Solar Connection Short	Electronically Protected				BATTERY VOLTAGE
Load At Solar Input	Electronically Protected				PV CURRENT
Load Short Circuit	Electronically Protected				BATTERY LOW FAULT
					BATTERY HIGH FAULT
					REVERSE CURRENT FAULT
					BATTERY FULL CHARGE STATUS
GENERAL					
Operating Temperature	0°C to 50°C				
Dimensions (LxWxH) in mm	112x125x25			125x100x45	