



ENERGIA

MPPT Solar Charge Controller

Ultra-fast Maximum Power Point Tracking (MPPT)

Especially in case of a clouded sky, when light intensity is changing continuously, an ultra-fast MPPT controller will improve energy harvest by up to 30% compared to PWM charge controllers and by up to 10% compared to slower MPPT controllers.



Solar Charge Controller	ENERGIA-MV
Charge Controller Voltage	12 VDC
Nominal PV power, 12V	150Wp
Charge Controller Rating @ Rated Voltage	15 Amps
Battery Configuration	12.8 V-80Ah; LiFePO4
Charge Controller Type	MPPT
Ideal current consumption (self consumption)	< 40 m Amps
Load reconnect	12.60 V +/- 0.20 Volts
Battery Low load disconnect	10.2 V +/- 0.20 Volts
Protection	Over Charge, Deep Discharge, Over Load – Auto Shutdown and restart , Solar & Battery reverse protection, Short Circuit Protection, Adequate protection incorporated under NO LOAD condition and Reverse flow of current through the PV module provided.
Type of Prefable Connectors to be provided	1 No. USB Port –5V 1 Amps (Max.) 2 Nos. 6 W Bulb Connector 1 No. 9 W Tube Light Connector 1 No. 25W DC Fan Connector
LED Indication with LCD display	LED – Green with slow blinking – Charging under process Yellow - Battery Low Red – System Fault
LED Display Parameter (Alpha Numeric)	Charging Under process, Load Cutt-off and electrical and fault parameters.
Load Master MCB	1 No.-20 Amps MCB
Protection category	IP20