

SOLAR CHARGE CONTROLLER – Monitor the charging, keep batteries preserved and protect the off grid solar power system

PULSE MPP & PWM

Pulse MPP 12V 10A 120W



Pulse MPP 12V 20A 250W



PWM 12/24V 50A



PWM 48V 50A

Controlled by	Microprocessor (for high accuracy)			
System Voltage	12V		12/24V	48V
Max Charge Current	10A	20A	50A	50A
Max Solar Power	120W	250W	600W (12V); 1200W (24V)	2400W
Solar Voltage Range	17~24Voc		17~24Voc (12V); 34~44Voc (24V)	65~95Voc
Load Current	10A		----	----
Self-consumption	0.04A	0.08A	0.04A	0.04A
Load Control	Intelligent nightlight function (Auto turn the load On at night/Off in the daytime); Low Voltage Disconnect / Reconnect (10.8V /12.8V)			----
Charging Methods	4 stages: Bulk, Absorption, Floating; Equalizing (Auto)			
Bulk Charge	15V		15V (12V); 30V (24V)	58V
Float Charge	13.8V		13.8V (12V); 27.6V (24V)	54V
Protections	Reverse Polarity; Load Short Circuit; Overload; Overcharging; Reverse Current at Night; Battery Deep Discharge		Battery Reverse Polarity; Overcharging; Reverse Current at Night	
Indications	LEDs: % Battery / Charging / Overload / Wrong poles (Reverse Polarity)		LEDs; LCD: Solar Charging Power / Charging Current / Battery Voltage	
Output	DC 2.5mm (2x), USB (1x)		RJ45 Port	
Dimension	104.5 x 95 x 72 mm; 0.6 kg	228 x 135 x 80 mm; 0.8 kg	173x133x44 mm	173x133x44 mm
Accessories	8mm Solar panel Cables 0.2m and Battery Cables 1m w/ Cable shoe 8mm			

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