

JPP 30 AMP MPPT CHARGE CONTROLLER**Electrical**

Battery Types	Flooded & Sealed Lead-Acid (SLA), Gel, Lithium-Ion	
System Voltage	12 V	
Enclosure Rating	NEMA Type 1 equivalent (indoor, vented), IP20	
Input	Solar Voltage Range	8 - 39 Vdc
	Max. Solar Open Circuit Voltage	39 Vdc
	Max. Input Current	30 Adc
	Max. Wire Size	10 AWG
Output	Battery Voltage Range	13.2 - 14.4 Vdc
	Bulk	max. 30 A; 14.4 V
	Absorb	constant 14.2 Vdc
	Float, Trickle	13.4 Vdc
	Max Charge Current	30 Adc
	Rated Max. Operating Power	400 W
	Max Power Limit	500 W
	Max Ripple	100 mV
Max. Wire Size	10 AWG	
Self Consumption	13 mA	
Peak Efficiency	99 %	

Protection

Input	Over Current, Over Voltage
Battery	High Voltage, Battery Sense disconnected
Over Current (Output)	@ 32 Amp
High Temperature	

Mechanical

Controller Box Dimensions mm (in)	120x215x32 (4.75x8.438x1.25")
Controller Box Weight	142 g / 5 oz
Display Frame Dimensions	

Environmental

Ambient Operating Temperature	-10 to 60 C
Storage Temperature	-40 to 90 C
Humidity Range	95 % non condensing

Features

Automatic Maximum Power Point Tracking	
Automatic Temperature Compensation	
Tropicalization	Conformal Coating
Remote Display (Wired)	LED indicators
Charging Stages	Bulk, Absorb, Float, Trickle
Battery Temperature Compensation	capable
Battery Temperature Sensor optional	25 or 50 ft cable

Ports

Remote Display port	RJ12
Battery Temperature Sensor	RJ12
Controls	Remote ON / OFF

Warranty

Warranty	2 years
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