



## 30A-MPPT-RVC

### 30 AMP MPPT SOLAR CHARGE CONTROLLER

The Jaboni Maximum Power Point Tracking (MPPT) controller is the first of its kind to adjust voltage to capture the maximum power from the solar array and convert excess voltage into amperage. As a result, the solar power system operates optimally during a variety of lighting conditions.

Each controller features high efficiency poly solar cells that ensure high performance of the solar module and creates maximum power output.

#### **KEY FEATURES:**

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Automatic Maximum Power Point Tracking

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Automatic Temperature Compensation

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Tropicalization - Conformal Coating

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Remote Display (Wired) - LED indicators

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Charging Stages  
Bulk, absorption, float

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Battery Temperature Compensation Capable

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Battery Temperature Sensor optional  
25 or 50 ft cable

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**Solar Power  
to the  
RV People.**

## ELECTRICAL SPECIFICATIONS

System Voltage	12V
Enclosure Rating	NEMA type 1 equivalent (indoor, vented), IP20
Battery Types	Flooded & sealed lead-acid (SLA), Gel, Lithium-Ion
<b>Input</b>	
- Solar Voltage Range	12V
- Max Solar Open Circuit Voltage	45Vdc
- Max Input Current	30 Adc
- Max Wire Size	10 AWG
- Battery Voltage Range	12 - 14.4 Vdc
- Bulk	14.2-14.6 Vdc
- Absorb	14.2-14.6 Vdc
- Float, trickle	13.2-13.6 Vdc
<b>Output</b>	
- Max Current Charge	30 Adc
- Rated Max Operating Power	550W
- Max Wire Size	8-12 AWG
Self-consumption	30-40mA
Peak Efficiency	97%

## MECHANICAL SPECIFICATIONS

Dimensions	4.42x8.48x3.23"
Weight	1.8 lbs. / .82 kg
Display Frame	3.75x4.75

## PORTS

Remote Display Port	RJ12/MINI FIT JR
Controls	Remote ON / OFF
Warranty	2 Years

## PROTECTION

Input	Over current, over voltage
Battery	High Voltage, battery sense disconnected
Over Current (Output)	At 32 Amp
High Temperature	Yes

## ENVIRONMENTAL

Ambient Operating Temperature	0 to 30°C
Storage Temperature	-40 to 90°C
Humidity Range	95% non-condensing