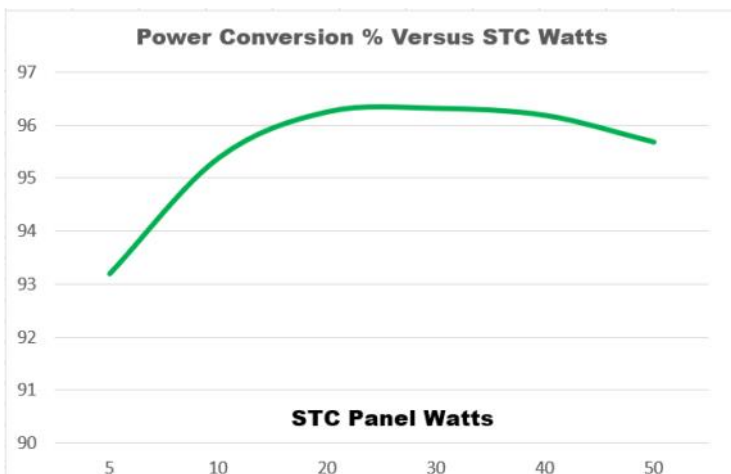


Ra V2.00 50 Watt Solar Charge Controller



SLA or
LiFePO4
4 Cell
Batteries

- 10-35 Volt Input Buck-Boost Design
- FAST Automatic Power Tracking > 99.9%
- Low RFI Spread Spectrum Modulation
- Up to 216% MORE Power than PWM units
- Get Power from Partial Shaded Panels
- Low Night Battery Drain (< 0.001 Amps)
- 3.5 Amps Maximum Output @ 14.4 Volts
- > 96% Peak Power Conversion Efficiency
- Small 3D Printed Automotive Grade Box
- 2 Year Limited Warranty



Product Specifications V2.00

- Output Voltage 14.4 Volts Max
- Re-charge Voltage 13.5 Volts
- Output Current 3.5 Amps Max
- Maximum Output 50.4 Watts
- Maximum Input 35 Volts
- Thermal Shutdown 170 Degrees F
- Power Frequency 125 KHz nominal
- MPPT Range 10-30 Volts
- Panel Cell Count 20-54 Cells
- Night Battery Draw < 0.001Amps
- 5 to 60 Watt STC Solar Panel Rating
- #12 AWG Wire Screw Terminal Connections
- Operation from 0F to 130F Ambient Air
- Short Circuit, Reverse Polarity, Over Current and Thermal Overload Protected
- 12 volt Lithium Iron Phosphate (LFP), SLA, AGM, Deep Cycle compatible
- Weight 2.8 ounces / 80 grams
- Designed and Made in USA

Specifications subject to change without notice



LCD Scrolling Display Information

	Battery Voltage		Peak Power in Watts
	Solar Voltage		Amp Hours Today
	Output Amps		
	Output Watts		Board Temperature (F)

Past 7 Days Amp-Hours Displayed at Night

Contact us at: diysolarforu@gmail.com