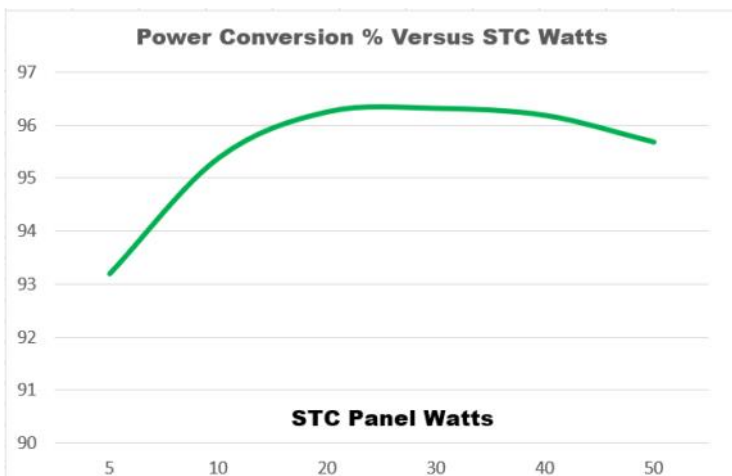


Ra V2.00 50 Watt Solar Charge Controller



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
- Use as 3.5 Amp Charger from 12 volts DC
- 5 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 |
| • 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 | |
| • 3.4 x 2.5 x 1.1 inch / 87 x 64 x 28 mm | |

Specifications subject to change without notice



LCD Scrolling Display Information

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

Past 7 Days Amp-Hours Displayed at Night

Contact us at: diysolarforu@gmail.com