

# Sól 12 / 24 Volt MPPT 20 Amp **Buck-Boost** 700 Watts **STC MAX** Solar Charge Controller

## Get Every Last Watt of Power



SLA, AGM, Deep Cycle 12 or 24 volts or LiFePO<sub>4</sub> 4 / 8 Cell Batteries



- Sól is an advanced high power Buck-Boost charge controller that works where other solar controllers are unable due to added boost capability
- Power conversion efficiency over 99%
- Up to 2x MORE power than “PWM” controllers
- FAST Maximum Power Point Tracking (MPPT) 99.9%
- Works with 12 and 24 volt batteries.
- Radio friendly low RFI & – 40 degrees operation
- Very low night battery drain
- Can use solar panels from 24 cells to 80 cells
- Wide range fully automatic operation
- 5 Year Limited Warranty — **Made in USA**

### Product Specifications Version 3.xx Blue - 12 Volt Green - 24 Volt

- Output Voltage 14.4 / 28.8 Volts
- Re - Charge Voltage 13.5 / 27.0 Volts
- In or Out Current 20 Amps Max
- Maximum Output 288 / 576 Watts
- Maximum Input 54 Volts
- Operating Temp -40°F to 140°F
- Thermal Shutdown 170° F internal temp
- Thermal Fold-back 165° F internal temp
- Spread Spectrum EMI / RFI reduction
- MPPT Range 10 - 50 Volts
- Night Battery Draw 0.00072 Amps @ 12V  
0.0012 Amps @ 24V
- Up to 350 / 700 Watt STC solar panel rating
- Wire screw terminal connections 12-10 AWG
- 32 MHz CPU for optimal power control
- Short Circuit, Reverse Polarity, and Thermal Overload Protected
- Automatic detection 12 or 24 volt output
- Designed and made in USA
- 5.8 x 3.7 x 1.6 inches and under 1 pound

Specifications subject to change without notice

Contact us at: [DIYSolarForU@gmail.com](mailto:DIYSolarForU@gmail.com)  
[www.DIYSolarForU.com](http://www.DIYSolarForU.com)

### LCD Scrolling Display Information

BAT	Battery Voltage	P - P	Peak Power in Watts
PAN	Panel Voltage	A - H	Amp Hours Today
A	Output Amps	b - t	Board Temperature (F)
Out	Output Watts	b 12	Battery Detect
		b 24	

Past 7 days Amp-hours and MAX power displayed at night

