

BRAVO PRO 30 / 40

MPPT SOLAR CHARGE CONTROLLER

30A / 40A FLUSH MOUNT



High Efficiency MPPT Charging

Advanced MPPT technology delivers up to 99.5% tracking efficiency and 98% conversion efficiency, maximizing solar energy harvest even in low-light or partially shaded environments.

Smart Protection

Built-in safety features guard against over-voltage, reverse polarity, short circuits, and overheating, providing stable and reliable performance in various operating conditions.

Intelligent System Compatibility

Auto-detects 12V or 24V battery systems, and supports 8+1 battery types including GEL, AGM, WET, CRYSTAL, CALCIUM, LiFePO₄, LTO, and LCO, ensuring broad compatibility for diverse solar setups.

Customizable Charging Settings

Advanced users can manually adjust key charging parameters such as voltage and current to tailor performance for specific battery chemistries and environmental needs.

Real-Time Monitor & Bluetooth

LCD + LED dual display provides real-time system data and quick fault indicators, while the Rich Solar App enables remote monitoring, parameter adjustment from your mobile device.

SPECIFICATIONS

Model	RS-MPPT30FB	RS-MPPT40FB
Product Name	BRAVO PRO 30	BRAVO PRO 40
Electrical Parameters		
System Nominal Voltage	12V/24V Auto	
Maximum Solar Input Current	30A	40A
Maximum Charging Current	30A	40A
Recommended Solar Input Power	500W (12V)/1000W (24V)	600W (12V)/1200W (24V)
Solar Input Voltage Range	8-100V	
Standby Current	10mA	
Charging Characteristics		
Charging Technology	MPPT	
MPPT Voltage Tracking Range	15-72VDC	
MPPT Efficiency	99.5%	
Conversion Efficiency	98%	
Battery Compatibility	GEL / AGM / WET / LFP / LTO / LCO / Crystal / Calcium / Customizable Battery	
Protections		
Protections	Over-Voltage, Reverse Polarity, Short-Circuit, Over-Temperature	
Electrical Parts		
Bluetooth	YES	
Physical Parameters		
Dimensions	8.3 × 6.1 × 2.2 in	
Weight	1.8 lb	
Options	External Battery Temperature Sensor; External Digital Remote Display	
Certifications	ETL, CE, EMC, FCC, RoHS	
Environmental Characteristics		
Operating Temperature Range	-13°F to 122°F	
IP Rating	IP43	