

RS-MPPT40FM : BRAVO 40 Amp Flush Mount MPPT Solar Charge Controller



Price: CAD \$345.00

SKU: RSBRAVO-40FM

Product Categories: [Charge Controllers](#), [MPPT - Max Power Point Tracking](#), [MPPT : 30A-39A](#), [Shop](#)

Product Tags: [40a](#), [40a mppt](#), [boat](#), [cabin](#), [canada](#), [flush mount](#), [MPPT](#), [rich solar](#), [rich solar RS-MPPT40FM](#), [RS-MPPT40FM](#), [RS-MPPT40FM canada](#), [rv](#), [solar](#), [solar controller](#), [trailer](#), [van](#)

Product Page:

<https://www.modernoutpost.com/product/rs-mppt40fm-bravo-40-amp-flush-mount-mppt-solar-charge-controller/>

Product Summary

The BRAVO 40 by Rich Solar is a premium 40A 12V/24V MPPT flush mount solar

controller for RVs, trailers, campers, vans, boats, & off-grid cabins. One of the top flush-mount MPPT solar Controllers on the market.

Product Description

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BRAVO 40 MPPT Features

- The latest Maximum Power Point Tracking (MPPT) algorithm.
- Unique multiple peaks detected technology for Maximum Power Point Tracking.
- MPPT tracking efficiency above 99.5%.
- Wider MPP operating voltage range.
- Common negative grounding connection.
- Suit for most rechargeable batteries, up to 9 battery types preset plus custom setting.
- Extensive internal electronics in-circuit protection.
- Reliable operating safety protection: overcharging or undercharging protection, short circuit protection, reverse polarity protection, and thermal protection.
- Automatically detect 12V or 24V DC system voltages.
- Unique and concise LED bar to indicate the solar status and battery charging condition.
- Large and informative display interface to show solar parameters, battery charging parameters, battery type, battery temperature, custom presetting and faulty codes, etc.
- Provides plug-in remote digital display meter (Optional).
- Provides external battery temperature sensor (Optional).
- Splash-proof IP43.
- Rubber mask for connecting terminal's protection.
- Conformal coating for internal boards.
- Designed according to UL1741, EN/IEC 62109-1; EMI standard: EN61000-6-1/EN61000-6-3 and FCC standard: 47 CFR Part 15, Subpart B.

BRAVO 40 Specifications In Brief

Max. PV Open Circuit Voltage:
100 VDC

Max. Normal Input PV Voltage:

92 VDC

Max. PV Input Current:

40 AMP

Max. PV Short Circuit Current:

45 AMP

Max. Conversion Efficiency:

98%

Min. Tracking Efficiency:

99.5%

Nominal PV Power:

600W@12V/1200W@24V

Min. Battery Start Charging Voltage:

5 VDC

Soft Start Charging Voltage:

5~10±2

Soft Start Charging Current:

20 AMP

Max. Bulk Charge:

40 AMP

Controller Material:

Plastic, PC

Mounting:

Surface Mounting

IP Grade:

IP43

Net Weight:

1.87 lb

Operating Temperature:

-13 ~ 122 °F

Storage Temperature:

-40 ~ 185 °F

Operating Humidity Range:

0-85% RH

Download the Spec Sheet & User Manual



[SPECIFICATIONUSER MANUAL](#)

Product Attributes

- Dimensions: 26 × 16 × 12 cm
- Weight: 1.9 kg

Product Gallery

