

RS-MPPT50DC : BRAVO 50A DC-DC Charger & MPPT Solar Controller



Price: CAD \$339.00

SKU: RS-MPPT50DC

Product Categories: [Battery Chargers](#), [Charge Controllers](#), [DC-DC Converters](#), [MPPT - Max Power Point Tracking](#), [MPPT : 40A-59A](#), [Shop](#)

Product Tags: [12v](#), [alternator](#), [alternator charger](#), [bravo](#), [bravo 50](#), [canada](#), [dc-dc](#), [MPPT](#), [mppt solar](#), [rich solar RS-MPPT50DC](#), [RS-MPPT50DC](#), [RS-MPPT50DC canada](#)

Product Page:

<https://www.modernoutpost.com/product/rs-mppt50dc-bravo-50a-dc-dc-charger-mppt-solar-controller/>

Product Summary

The BRAVO 50 by Rich Solar is a premium 50A 12V DC-DC converter for use with vehicle alternators, and is also an MPPT solar charge controller. Ideal for use in

vehicles such as RVs, Trailers, Campers, Vans, Boats. Designed for Lithium Iron Phosphate (LiFePO4) & AGM batteries.

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Part# RS-MPPT50DC

BRAVO 50 Features

- Can connect to PV and alternator - Charges both leisure and starter battery - MPPT with up to 99.9% efficiency - Supports TTL communication

BRAVO 50 Specifications In Brief

PV INPUT

Max. Voltage of Open Circuit : 55Vdc

MPPT Voltage Range : 17-36Vdc

Max PV Input Current : 45A

Max PV Input Power : 800W

BATTERY

Type : Li-ion / Lead Acid / User Defined

Rated Battery Voltage : 12Vdc

Battery Voltage Range : 9-17Vdc

Max MPPT Charging Current : 50A

Max Alternator Charging Current : 60A

MPPT Charging Mode : Buck

EFFICIENCY

MPPT Tracking Efficiency : >99%

Max Charging Conversion Efficiency : 98%

COMMUNICATION

Embedded Interfaces : TTL, Remove Switch

GENERAL

Weight : 2.14kg / 4.7 lbs

Dimensions: 22 x 17.5 x 8.2cm / 8.7 x 6.9 x 3.2 inches

Protection Degree : IP32

Operating Temperature Range:

-35°C~65°C[-31°F~149°F)

CERTIFICATION

Safely : IEC62109

EMS : IEC61000, FCC sDoC

Rohs : YES

Download the Spec Sheet & User Manual



50 AMP DC TO DC LITHIUM BATTERY ALTERNATOR CHARGER WITH MPPT
[SPECIFICATION USER MANUAL](#)

Product Attributes

- Dimensions: 25 × 19 × 12 cm
- Weight: 2.9 kg