BMPRO

POWERING YOUR ADVENTURES

PROBOOST40

40A DC-DC CHARGER

BMPRO's ProBoost40 is a multi-stage DC-DC battery charger that enables the charging of a secondary battery using solar panels and/or a towing vehicle's 12V electrical system.

SPECIFICATIONS

Input Voltage	9-32V
Solar Input Voltage	10-32V
Maximum Input Current	47A
Input Fuse Rating	60A
Solar Input Watts	800W
Maximum Output Current	40A
Output Fuse Rating	60A
Minimum Start Voltage	**Lead-Acid:** 4V **LiFePO4:** 0V
Standby Current	<10mA
Battery Type	STD, Gel, AGM, Calcium, LiFePO4
Operating Temperature	-20°C to 80°C
IP Rating	IP56
Dimensions	183mm x 130mm x 43mm
Charge Type	3-Stage
Maximum Voltage	**STD:** 14.4V **Gel:** 14.1V **AGM:** 14.7V **Calcium:** 15.3V **LiFePO4:** 14.5V
Float Voltage	**STD:** 13.4V **Gel:** 13.5V **AGM:** 13.4V **Calcium:** 13.6V **LiFePO4:** 13.6V
Turn On Input Voltage	**12V Standard Alternator:** >13.1V **12V Smart Alternator:** >12.0V
Turn Off Input Voltage	**12V Standard Alternator:** <12.8V **12V Smart Alternator:** <11.8V

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KEY FEATURES

- Compatible with lead-acid and lithium LiFePO4 batteries
- 40A solar MPPT regulator
- Dual input from both solar and vehicle auxiliary
- High power density design provides efficiency up to 93%
- Ultra-thin design suitable for small installation spaces, including under bonnets
- Excellent performance in harsh environments
- Resistant to shaking, wet, dusty or muddy environments
- Smart alternator compatible
- Overtemperature, overvoltage, undervoltage and reverse polarity protection

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