



# ProBoost40

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

POWERING YOUR ADVENTURES



## SPECIFICATIONS

|                               |                                 |
|-------------------------------|---------------------------------|
| Input Voltage                 | 9 to 18V                        |
| Solar Input Voltage           | 10 to 25V                       |
| Maximum Input Current         | 47A                             |
| Input Fuse Rating             | 60A                             |
| Solar Input Watts             | 500W                            |
| Maximum Output Current        | 40A                             |
| Standby Current               | <10mA                           |
| Battery Type                  | STD, Gel, AGM, Calcium, LiFePO4 |
| Operating Temperature         | -4F to 176F                     |
| IP Rating                     | IP66                            |
| Dimensions                    | 183mm x 130mm x 43mm            |
| Charge Type                   | 3 stage                         |
| Min Start Voltage (lead-acid) | 4V                              |
| Min Start Voltage (LiFePO4)   | 0V                              |

## 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 limited installation space
- 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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