

BATTERYPLUS35PM












BM PRO's BatteryPlus35PM is a revolutionary battery management system designed to offer a complete power solution for recreational vehicle applications. This all in one power solution includes a 35A power supply for 12V loads, a 20A multi-stage charger, with the ability for an external solar regulator to be connected.

BatteryPlus35PM has a host of battery protection features, is fully equipped to charge the current generation of deep cycle batteries and has enhanced management capabilities such as an adjustable battery charging profile. This system has also been specifically designed to communicate with BM PRO's innovative Trek display and monitoring unit, providing a new recreational vehicle experience.



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KEY FEATURES

-  Total output current 35A
-  20A multistage battery charger
-  Distribution board with 14 DC outputs for load connection
-  Electronic resettable fuses
-  Provision for external solar regulator input (14.5V, 30A DCDC or 25A 30A PWM)
-  CAN bus connection for BM PRO accessories (including the Trek, CommLink/BC300)
-  In-built battery management system (BMS)
-  Auxiliary DC input
-  Load current limit
-  Low voltage disconnect
-  Charging profile: Lead Acid

SPECIFICATIONS

Input Voltage Range	110VAC to 240VAC
Input Surge	< 40A (Cold Start)
Output Current	35A Continuous (load + battery current)
Factory Set Voltage	13.65 ±2% (float voltage)
Over Voltage Protection	18V
Over Current Protection	35A to 38A (load + battery current)
Battery Charge Current Limit	30A Max
Battery Connect Voltage	12.3V ±0.2V
Battery Disconnect Voltage	10.5V ±0.2V
Battery Drain after LVD	<15mA
Cooling Fan	Thermally controlled
Solar Output Current	30A (Only if solar is installed)
Solar Input Range	15V to 25V
Ambient Temperature	0°C - 50°C
Communication	Communication bus available
Weight	2kg
Standard: Safety	Safety: IEC60335-2-29, IEC62109-1, EMC: CISPR 14, Approvals: RCM