



BATTERYPLUS35

BatteryPlus35 is a revolutionary battery management system designed to offer a complete power solution for recreational vehicle applications. With unique properties including a built in distribution board with multiple DC outputs for load connection, this power supply and charger is the ultimate all-in-one system.

BatteryPlus35 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 the innovative 'Trek' display and monitoring unit – providing a new recreational vehicle experience.

Key features

- > 35 amp power supply and 20 amp multi-stage battery charger
- > Distribution board with 14 DC outputs for load connection
- > Optional inbuilt solar MMPT regulator (420 W, 30 A, 12 V input)
- > CAN bus connection - compatible with 'Trek'
- > Electronic resettable fuses
- > Built in battery management system (BMS)
- > Auxiliary DC input
- > Load current limit
- > Over load protection
- > Low voltage disconnect
- > Adjustable battery charging profile; lead acid, AGM, wet cell or gel

SPECIFICATION

Input Voltage Range	100Vac to 240Vac nominal, ± 10%, 50/60Hz
Input Surge	< 40A (cold start)
Output Current	35A ± 1A Continuous (load + battery current)
Factory Set Voltage	13.65 ± 2% (float voltage)
Output Ripple Voltage	< 150mV
Over Voltage Protection	< 18 V
Over Current Protection	35A to 38A (load + battery current)
Battery Current Limit	20A max
Battery Connect	11.5 ± 0.2 V
Disconnect	10.5 ± 0.2 V
Battery Drain after LVD	< 13mA
Efficiency	> 83%
Cooling Fan	Thermally controlled
Solar Output Current	30A (nominal), (Only if solar is installed)
Solar Input Voltage	15V to 25V (Only if solar is installed)
Ambient	0°C - 50°C
Communication	Communication bus available
Weight	2kg
Standards	Safety: IED60335-2-29, IEC62109-1, EMC: CISPR 14, APPROVALS: RCM

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