

BP series Smart Battery Charger

12VDC 12A 25A 40A
24VDC 12A 120A

Batteries will be permanently damaged by either overcharged or remaining undercharged for any period of time. BP series will continuously deliver right charging at any circumstance with built in battery management features which will be helpful in prolonging your battery life expectancy.

BP series smart battery charger was especially designed for mobile and marine application. Combined with up to date technology and our knowledge with batteries, it was an ideal solution for your battery charging on board.

Lithium Ion battery compatible version can be ordered

- Silent design with multiple isolated outputs
- Parallel design for recharging and power supply
- Sophisticated TBB premium II multiple stages charging algorithm
- Automatic temperature compensation charging
- Various charging algorithm for multiple battery chemicals including AGM, GEL, Semi Traction and Traction.
- Silent design
- High temperature rated
- Complete protection with PCB coating



Accessory





PURSUIT OF PERFECTION

Model No.	BP1212-2A	BP1225-3A	BP1240-3A	BP2412-3A	BP2420-3A
Electrical Specifications					
Number of battery bank outputs	2	3	3	3	3
Nominal battery voltage (V)	12	12	12	24	24
Rated DC output current(total)(A)	12	25	40	12	20
Charge Algorithms	Automatic 6(max) steps charging curves. Soft start, bulk, compensation, absorption, floating, recycle.				
Normal input voltage (V)	185-265VAC 50Hz				
Battery temperature compensation	Automatic active when temperature sensor plug in				
Power supply mode normal output voltage(V)	13.5±0.6			27±0.6	
Efficiency	0.85	0.85	0.85	0.85	0.85
Power factor 60%	60%	60%	60%	70%	70%
Cooling	Natural cooling				
Protection category	IP20				
Protection Features					
Short circuit on output	BC shutdown				
Reverse Polarity	Electronic protect and inside fuse as a backup				
Battery charger over temperature	Reduce output power while charger in overtemp condition				
Battery over temperature	BC shutdown at a battery temperature of 122F (50C)				
Battery over voltage limits	will not start charging if any battery voltage is greater than 15.0VDC; will not continue charging if any battery voltage is greater than 16.0VDC				
Physical Specifications					
Dimensions (L*W*H)(mm)	300×188×68		350×188×68	300×188×68	350×188×68
Weight (kg)	2	2.5	2.8	2.5	2.8
Enclosure	Aluminium with anodized, flame proof plastic				
Assembly	Wall-mounted				
Fixture	Screws				
Approvals					
LVD	EN60335-1,EN60335-2-29				
EMC	EN55014-1,EN55014-2,EN61000-3-2,EN61000-3-3				