

BP series Smart battery charger



The BP series smart battery charger is designed especially for various kinds of lead acid batteries in various applications. Combined with most up to date technology and our knowledge with batteries, it can be your advisable choice for your batteries recharging.

Batteries will be permanently damaged by either overcharged or remaining undercharged for any period of time. BP series Smart battery charger will continuously deliver right charging at any circumstance. Meantime, it offers some very useful battery management features which can recondition your battery to prolong its life expectancy.

Features:

- **Controlled by microprocessor and with TBB Premium I multiple charging stages, which can always keep your battery in good condition avoiding undercharge or overcharging.**
- **Recycle Charging**
- **Easily choose 4 options covering Flooded, Freedom, Gel, AGM Batteries by dip switch setting.**
- **Automatic temperature compensation**
- **Silent fan**
- **PCB coated against salt moisture corrosion.**
- **High ambient temperature rated.**
- **Complete protection**
- **Reverse polarity protection**
- **Active PFC available**
- **LVD and EMC compliance**

Model	BP1212-A	BP1212	BP1225-A	BP1225	BP1240-A	BP1240	BP2412-A	BP2420-A
Physical Specifications								
Dimensions (L*W*H)(mm)	300 188 68			350 188 68		370x220x85	300 188 68	350 188 68
Weight (kg)	2	2.1	2.5	2.6	2.8	3.4	2.5	2.8
Enclosure	Aluminium with anodized, flame proof plastic							
Assembly	Wall-mounted							
Electrical Specifications								
Nominal battery (V)	12						24	
Rated DC output(A)	12	12	25	25	40	40	12	20
Charge Algorithms	Automatic 6(max) steps charging curves.							
Norminal input (V)	185-265VAC 50Hz							
BTC	Automatic active when temperature sensor plug in							
Power supply mode normal output voltage(V)	13.5 0.6						27 0.6	
Efficiency	0.85	0.8	0.85	0.8	0.85	0.85	0.85	0.85
Power factor	60%	93%	60%	93%	60%	98%	70%	70%
Cooling	forced cooling							
Protection category	IP20							
Protection Features								
Short circuit on output	BC shutdown							
Reverse Polarity	Electronic protect and inside fuse as a backup							
Charger over temp	Reduce output power while charger in overtemp condition							
Batt over temperature	BC shutdown at a battery temperature of 122F (50C)							
Battery over voltage	will not start charging if any battery voltage is greater than 15.0VDC;							
Approvals	charging if any battery voltage is greater than 16 0VDC							
LVD	EN60335-1,EN60335-2-29							
EMC	EN55014-1,EN55014-2,EN61000-3-2,EN61000-3-3							

