

TRIDENT

SMART BATTERY CHARGER



Model	BP1212-2A	BP1212-2	BP1225-3A	BP1240-3
Part no.	T11003A	T11003	T11006A	T11009

Physical Specifications

Dimensions (L*W*H)(mm)	300×190×70		350×190×70	
Weight (kg)	2	2.1	2.5	2.5
Enclosure	Aluminium with anodized, flame proof plastic			
Assembly	Wall-mounted			
Fixture	Screws			

Electrical Specifications

Number of battery bank outputs	2	2	3	3
Nominal battery voltage (V)	12	12	12	12
Rated DC output current(total)(A)	12	12	25	40
Charge Algorithms	Automatic 6(max) steps charging curves. Soft start, bulk, compensation, absorption, floating, recycle.			
Normal input voltage (V)	185-265VAC 50Hz, also can work under 110V input voltage			
Battery temperature compensation	Automatic active when temperature sensor plug in			
Equalize mode maximum output voltage	16.5VDC/FREEDOM			
Power supply mode normal output voltage(V)	13.5±0.6			
Efficiency	0.8			
PFC	95%	----	95%	----
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

