

Powering the future

ABP Trident Series Smart Battery Charger



- » Microprocessor controlled charging in 6 stages
- » Selectable battery type: AGM, Gel, Flooded, Automotive
- » Temperature compensated charging
- » Automatic cyclical charging
- » Marine features: High ambient temperature rated, surge protection, PCB coating, galvanic isolation, silent fan
- » Optional remote controller with large LCD display allows remote monitoring and setting of all parameters

The ABP Trident Series smart chargers have been designed for charging all types of lead batteries used in general purpose applications, as well as those used in mobile or marine applications. ABP Trident can also be used as independent power source, with no battery attached.

Using advanced charging algorithms, ABP Trident will keep your batteries in good health and increase their life expectancy.

Technical Specifications

Model	ABP1212-A	ABP1225-A	ABP1240-A	ABP2412-A	ABP2420-A
Electrical					
Nominal voltage (Vdc)	12			24	
Output nominal current (A)	12	25	40	12	20
Charging algorithm	Automatic, 6 stages				
Input voltage (V)	185 - 265 Vac, 50Hz				
Temperature compensation	Automatic activation when temperature sensor is present				
Output voltage (V)	13.5 ± 0.6			27 ± 0.6	
Efficiency	85%				
Power factor	0.6			0.7	
Cooling	Forced				
Ingress protection	IP20				
Mechanical					
Dimensions (WxDxH) (mm)	300x188x68	300x188x68	350x188x68	300x188x68	350x188x68
Weight (kg)	2	2.5	3.4	2.5	2.8
Enclosure	Aluminium and fireproof plastic				
Mounting	Wall				
Protection					
Output shortcircuit	Automatic shutdown				
Reversed polarity	Electronic protection and internal fuse				
Overtemperature	Output power limiting				
Battery overtemperature	Shutdown over 50°C				
Battery overvoltage	Doesn't start charging if the battery voltage is greater than 15Vdc (30Vdc for 24V models)				
Agency compliance					
LVD	EN60335-1, EN60335-2, EN50366				
EMC	EN55014-1, EN55014-2, EN61000-3-2, EN61000-3-3				

