

WhisperPower Battery Charger - BC Supreme series

Automatic 3-stage battery chargers for GEL, AGM and Lithium flooded lead acid



Datasheet



20A

30A

40A

60A

WP-BC Supreme Switched Mode Battery Chargers 12V/20A • 12V/40A • 12V/60A • 24V/30A

- For a fast and reliable charge of your batteries
- Extends battery life time

- Multiple outputs to charge 3 batteries
- Fully automatic 3-stage charge method
- Temperature sensor plus cable included
- Adjustable for GEL, AGM or Lithium flooded lead acid
- Auto ranging input from 90-260VAC, 50 / 60Hz
- Connectable to any AC generator
- Fully protected against short circuit, overtemperature, etc.



Powering your Lifestyle

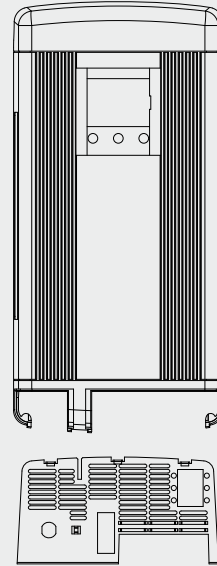




Powering your Lifestyle

Open lead acid ✓
 AGM ✓
 GEL ✓
 Lithium ✓

Model	12V/20A	12V/40A	12V/60A	24V/30A
Article no.	61112302	61112304	61112306	61124303
Charger Output:				
Output Current (Maximum)	20A	40A	60A	30A
Output Voltage Range:				
Charge	14.2 - 15.5V		28.4 - 31V	
Float	13.4 - 13.8V		26.8 - 27.6V	
Equalize	16.0V		32.0V	
Charging Control				
	Three stages (Bulk/Absorption/Float)			
	Two stages (Bulk/Absorption)			
	Constant Power Supply (Program setting)			
DC Output Bank	Three			
Selectable Battery Type	Gel, AGM, Flooded, Lithium, Program			
Parasitic Current	< 2 mA			
Charger Input:				
AC Input Voltage (Nominal)	100, 120, 220, 230, 240VAC			
AC Input Operating Range	90 - 265VAC			
AC Input Frequency Range	47 - 63Hz			
Power Consumption (Full Load)	350W	700W	1050W	1050W
Power Factor Correction	Yes			
Charger Efficiency	> 82%			
Protection and Features:				
Reverse Battery	Yes, unit shutdown			
Over Charge	Yes, unit shutdown			
Over Temperature	Yes, unit de-rated and shutdown			
Output Short Circuit	Yes, unit shutdown			
DC Fuse	2*15A, 32V	2*30A,32V	3*30A,32V	2*20A,32V
Cooling	Force air ventilation			
Temperature Setting	Hot, Normal, Cold (no sensor connected)			
Battery Temperature Sensor Port	RJ12 (optional battery temp. sensor use)			
Digital Display Port	RJ12 (optional display panel use)			
Display:				
LCD Display (with back lighting)	Charging status, Battery Voltage			
Warning and Fault Code	A01-02, E01-09			
AC Input and DC Output Connection:				
AC Input Connection	Hardwire or AC Cord			
DC Output Connection	Heavy Duty Studs (3 banks)			
DC Output Ground	Single Heavy Duty Common Ground Stud			
Environmental and Operating Temperature:				
Storage Range	-40° to 70°C (-40° to 158°F)			
Operating Range	-20° to 60°C (-4° to 140°F)			
Humidity	5-95%, RH non-condensing			
Ingress Protection	IP32			
Based Unit Weight and Dimensions:				
WP-BC 12/20-3	5.3 lb., 11.6 x 8.1 x 3.4 inches (2.4 Kg, 295 x 206 x 86 mm)			
WP-BC 12/40-3	5.7 lb., 11.6 x 8.1 x 3.4 inches (2.6 Kg, 295 x 206 x 86 mm)			
WP-BC 12/60-3	8.8 lb., 14 x 8.1 x 3.8 inches (4.0 Kg, 356 x 206 x 99mm)			
WP-BC 24/30-3	8.8 lb., 14 x 8.1 x 3.8 inches (4.0 Kg, 356 x 206 x 99mm)			
Regulatory Compliance:				
Standards/Safety (North America)	Approved to UL1236 including the marine supplement UL1564 CSA C22.2 107.2-01			
Standards/Safety (European Union)	CE marked for the low voltage directive 2006-95-EC Complying with EN60335-2-29 battery chargers Approved to IEC60529:2001, IP32 ingress protection level			
Standards/EMC (North America)	Class B according to FCC part15B and ANSI C63.4			
Standards/EMC (European Union)	CE marked for the EMC directive 2004-108-EC Complying with EN55014-1, EN55014-2, EN61000-3-2 and EN61000-3-3 (as equivalent IEC standards series)			



Optional - available from 01-01-2014

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