



Automatic Battery Chargers Supreme Series

Marine | Mobile | Land | 12V/20A | 12V/40A | 12V/60A | 24V/30A



Features

- Designed to charge three independent batteries
- Also suitable for one or two batteries
- Batteries can differ in capacity (Ah)
- Programmable for AGM, GEL, Lead acid and Lithium batteries
- Temperature sensor standard
- Temperature sensor protects against risk of gas production
- Automatically adjusts supply voltage for worldwide use (90-265 VAC)
- Works with small gasoline or diesel generators
- Complies with CE and ABYC standards

Benefits

- Fast charge even with low input voltage
- Each output can be programmed differently
- Battery connection easily accessible, AC power cord supplied
- Quick install
- Quiet - no hum from transformer
- Maximizes battery life time



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Application Data 1

Model name	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			
Float	13.4 - 13.8V			
Equalize	16.0V			
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)			



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Application Data 2





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Technical drawing

