



Automatic battery chargers with multiple output Supreme Series

WhisperPower's Supreme series battery chargers are designed for fixed installation in vehicles, yachts and other vessels. These powerful battery chargers which can charge three independent batteries. The Automatic Battery Charger Supreme is easy to programme for AGM , GEL, Lead-acid and Lithium batteries. The charger can handle input voltages from 90 to 265 VAC (50 / 60 Hz) and can therefore be used worldwide.



Features

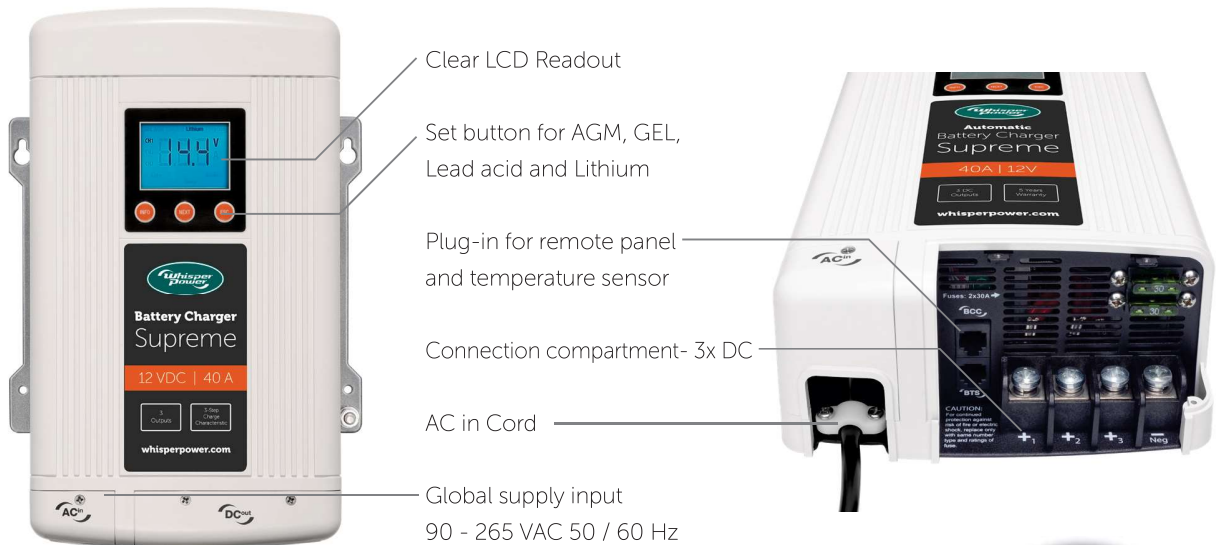
- Designed to charge three independent batteries
- Also suitable for one or two batteries
- Batteries can differ in capacity (Ah)
- Programmable for AGM, GEL, Lead acid and Lithium batteries
- Temperature sensor standard
- Temperature sensor protects against risk of gas production
- Automatically adjusts supply voltage for world-wide 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
- Outstanding price - performance ratio



Supplied as standard with temperature sensor

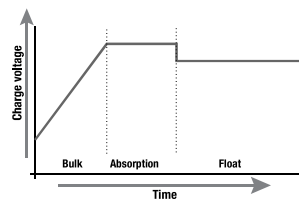
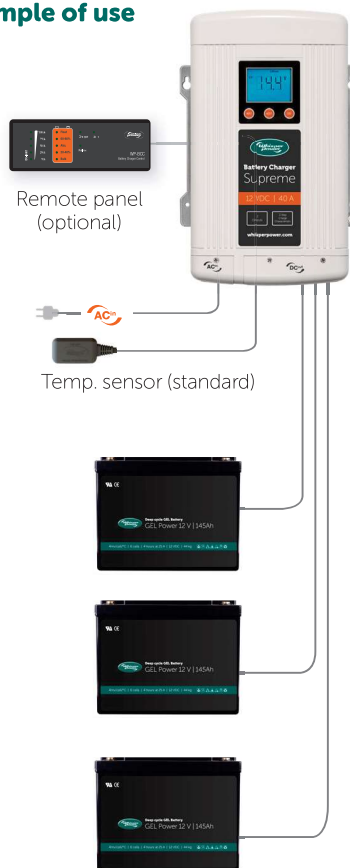


Ultra Compact & Powerful



Individual set up of each output

Example of use



3-step charge curve with the Supreme

For charging 48 VDC Batteries
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Supreme Remote
 Incl. 6 m cable | optional
 Art. Nr. 61112301





Supreme Series

	12 VDC 20 A	12 VDC 40 A
Article Number	61112302	61112304
CHARGER OUTPUT		
Output current (maximum)	20 A	40 A
Output voltage charge	14.2 - 15.5 VDC	14.2 - 15.5 VDC
Output voltage float	13.4 - 13.8 VDC	13.4 - 13.8 VDC
Output voltage equalize	16 VDC	16 VDC
Charging control	3-step (bulk/absorption/float)	3-step (bulk/absorption/float)
DC output bank	3	3
Selectable battery type	AGM, GEL, Lead acid, Lithium	AGM, GEL, Lead acid, Lithium
Leakage current	< 2 mA	< 2 mA
CHARGER INPUT		
Input voltage (nominal)	100, 120, 220, 230, 240 VAC	100, 120, 220, 230, 240 VAC
Input variation	90 - 265 VAC	90 - 265 VAC
Input frequency range	47 - 63 Hz	47 - 63 Hz
Power consumption (full load)	350 W	700 W
Power factor correction	Yes	Yes
Charge efficiency	> 82 %	> 82 %
DISPLAY		
LCD display (with back lighting)	Charging status, battery voltage	Charging status, battery voltage
Warning and fault code	A01-02, E01-09	A01-02, E01-09
PROTECTION AND FEATURES		
Reverse battery / over charge	Yes, device shuts down	Yes, device shuts down
Overheating	Yes, device de-rates and shuts down	Yes, device de-rates and shuts down
Output short circuit	Yes, device shuts down	Yes, device shuts down
DC fuse	2*15 A / 32 VDC	2*30 A / 32 VDC
Cooling	Mechanical	Mechanical
Battery temperature sensor port	RJ12 (battery temp. sensor use)	RJ12 (battery temp. sensor use)
Digital display port	RJ12 (optional remote display panel)	RJ12 (optional remote display panel)
AC AND BATTERY CONNECTIONS		
AC input connection	Hardwired or AC Cord	Hardwired or AC Cord
DC output connection	Heavy duty threaded screws (for 3 batteries)	Heavy duty threaded screws (for 3 batteries)
DC output (min.)	Shared, heavy duty threaded screws	Shared, heavy duty threaded screws
ENVIRONMENTAL AND OPERATING TEMPERATURE		
Storage temperature	-40 up to 70°C	-40 up to 70°C
Operating temperature	-20 up to 60°C	-20 up to 60°C
Relative humidity	5 - 95 %, RH non-condensing	5 - 95 %, RH non-condensing
International Protection rating	IP32	IP32
WEIGHT AND DIMENSIONS		
Weight	2.4 kg / 5.3 lb	2.6 kg / 5.7 lb
Dimensions (W x D x H) in mm	206 x 86 x 295	206 x 86 x 295
Dimensions (W x D x H) in inches	8.1 x 3.4 x 11.6	8.1 x 3.4 x 11.6
CONFORMITY		
Standards/safety (North-America)	Conforms to UL1236 with marine appendix UL1564 CSA C22.2 1072-01	
Standards/safety (European Union)	CE Marking for Low Voltage Directive 2006-95-EC Conforms to EN60335-2-29 (battery chargers) Conforms to IEC60529: 2001, protection class IP32	
Standards/safety (North-America)	Class B FCC Part 15B and ANSI C63.4	
Standards/safety (European Union)	CE Marking for EMC Directive 2004-108-EC Meets EN55014-1, EN55014-2, EN61000-3-2 and EN61000-3-3 (in accordance with IEC standards)	



12 VDC 60 A	12 VDC 100 A	24 VDC 30 A
61112306	61112310	61124303
60 A	100 A	30 A
14.2 - 15.5 VDC	14.2 - 15.5 VDC	28.4 - 31 VDC
13.4 - 13.8 VDC	13.4 - 13.8 VDC	26.8 - 27.6 VDC
16 VDC	16 VDC	32 VDC
3-step (bulk/absorption/float)	3-step (bulk/absorption/float)	3-step (bulk/absorption/float)
3	3	3
AGM, GEL, Lead acid, Lithium	AGM, GEL, Lead acid, Lithium	AGM, GEL, Lead acid, Lithium
< 2 mA	< 2 mA	< 2 mA
100, 120, 220, 230, 240 VAC	100, 120, 220, 230, 240 VAC	100, 120, 220, 230, 240 VAC
90 - 265 VAC	90 - 265 VAC	90 - 265 VAC
47 - 63 Hz	47 - 63 Hz	47 - 63 Hz
1050 W	1800 W	1050 W
Yes	Yes	Yes
> 82 %	> 84 %	> 82 %
Charging status, battery voltage	Charging status, battery voltage	Charging status, battery voltage
A01-02, E01-09	A01-02, E01-09	A01-02, E01-09
Yes, device shuts down	Yes, device shuts down	Yes, device shuts down
Yes, device de-rates and shuts down	Yes, device de-rates and shuts down	Yes, device de-rates and shuts down
Yes, device shuts down	Yes, device shuts down	Yes, device shuts down
3*30 A / 32 VDC	3*30 A / 32 VDC	3*30 A / 32 VDC
Mechanical	Mechanical	Mechanical
RJ12 (battery temp. sensor use)	RJ12 (battery temp. sensor use)	RJ12 (battery temp. sensor use)
RJ12 (optional remote display panel)	RJ12 (optional remote display panel)	RJ12 (optional remote display panel)
Hardwired or AC Cord	Hardwired or AC Cord	Hardwired or AC Cord
Heavy duty threaded screws (for 3 batteries)	Heavy duty threaded screws (for 3 batteries)	Heavy duty threaded screws (for 3 batteries)
Shared, heavy duty threaded screws	Shared, heavy duty threaded screws	Shared, heavy duty threaded screws
-40 up to 70°C	-40 up to 70°C	-40 up to 70°C
-20 up to 60°C	-20 up to 60°C	-20 up to 60°C
5 - 95 %, RH non-condensing	5 - 95 %, RH non-condensing	5 - 95 %, RH non-condensing
IP32	IP32	IP32
4 kg / 8.8 lb	6.4 kg / 14.1 lb	4 kg / 8.8 lb
206 x 99 x 356	236 x 103 x 425	206 x 99 x 356
8.1 x 3.8 x 14	9.3 x 4.1 x 16.7	8.1 x 3.8 x 14

Conforms to UL1236 with marine appendix UL1564 CSA C22.2 107.2-01

CE Marking for Low Voltage Directive 2006-95-EC Conforms to EN60335-2-29 (battery chargers)
Conforms to IEC60529: 2001, protection class IP32

Class B FCC Part 15B and ANSI C63.4

CE Marking for EMC Directive 2004-108-EC Meets EN55014-1, EN55014-2, EN61000-3-2
and EN61000-3-3 (in accordance with IEC standards)