

# Battery Charger Supreme Pro

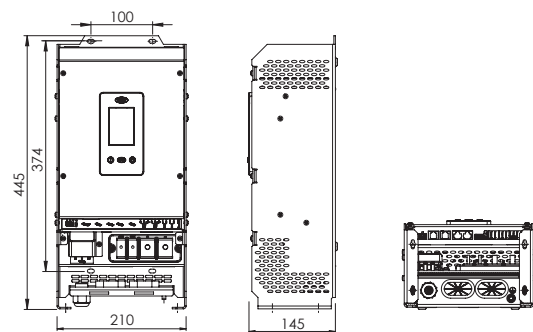


	24/40-3	24/60-3	24/80-3	24/100-3
Art. nr.	60205440	60205460	60205480 <sup>1)</sup>	60205401 <sup>1)</sup>
<b>GENERAL SPECIFICATIONS</b>				
Nominal input voltage	120/230V (90-265V)	120/230V (90-265V)	120/230V (90-265V)	120/230V (90-265V)
Nominal input frequency	50/60Hz (45-65Hz)	50/60Hz (45-65Hz)	50/60Hz (45-65Hz)	50/60Hz (45-65Hz)
Nominal output voltage	24V	24V	24V	24V
Total charge current	40A @ 28.8V	60A @ 28.8V	80A @ 28.8V	100A @ 28.8V
Number of battery outlets	3	3	3	3
Charge current second output	6A, ±1A	6A, ±1A	6A, ±1A	6A, ±1A
Charge current third output	6A, ±1A	6A, ±1A	6A, ±1A	6A, ±1A
Charge characteristic	IUoUo	IUoUo	IUoUo	IUoUo
Charge voltage Bulk (25°C) <sup>2)</sup>	28.8V	28.8V	28.8V	28.8V
Charge voltage Absorption (25°C) <sup>2)</sup>	28.5V	28.5V	28.5V	28.5V
Charge voltage Float (25°C) <sup>2)</sup>	26.5V	26.5V	26.5V	26.5V
Max. Absorption time <sup>2)</sup>	4 hours	4 hours	4 hours	4 hours
Max. Bulk time (start @ 13.25/26.5V) <sup>2)</sup>	8 hours	8 hours	8 hours	8 hours
Min. Absorption time <sup>2)</sup>	15 min.	15 min.	15 min.	15 min.
Enclosure type & dimensions (hwxwx d in mm)	445 x 210 x 145	445 x 210 x 145	445 x 210 x 145	445 x 210 x 145
Enclosure type & dimensions (hwxwx d in inch)	17,5 x 8,2 x 5,7	17,5 x 8,2 x 5,7	17,5 x 8,2 x 5,7	17,5 x 8,2 x 5,7
Weight	5.3 kg /11.7 lbs	5.3 kg /11.7 lbs	5.3 kg /11.7 lbs	5.3 kg /11.7 lbs
Battery capacity (recommendation)	80-400Ah	120-600Ah	160-800Ah	200-1000Ah
<b>TECHNICAL SPECIFICATIONS</b>				
Power factor (cos phi)	≥ 0.98	≥ 0.98	≥ 0.98	≥ 0.98
Full load consumption (230VAC)	1400VA	2000VA	2700VA	3375VA
Temperature compensation	by BTS-Battery temperature sensor, standard supply			
Voltage compensation	yes, automatic	yes, automatic	yes, automatic	yes, automatic
DC consumption with connected battery	< 5mA	< 5mA	< 5mA	< 5mA
Display	LCD	LCD	LCD	LCD
Temperature range	-25 to +60°C / -13 to 140°F, above 40°C derating			
Cooling	vario fan and natural cooling to ensure optimized cooling			
Sound level	< 52dBA @ 7 m	< 52dBA @ 7 m	< 52dBA @ 7 m	< 52dBA @ 7 m
Protection degree	IP23	IP23	IP23	IP23
Optional	Remote panel WP-SCC with current adjust - Touchpanel 5, 7 or 10 inch			1) Available mid 2018 2) Adjustable



Remote panel supplied as standard, with LED indicators

Optional remote panel with additional Charge Current Adjust button (electronic potentiometer)



Sales outlets in more than 50 countries  
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WhisperPower sales outlet:

# Heavy Duty WP Battery Charger WP-BC Supreme-Pro 40A | 60A | 80A | 100A

Auto ranging, 90 - 265 VAC, full power | DC & AC alarms in conformity with Class  
5 Year Product Warranty | Designed for Commercial applications



Generating Confidence



# WP-BC Supreme Pro

## Battery charger / rectifier series

Commercial vessels, high-end recreational vessels and off-shore platforms carry an enormous amount of electrical and electronic devices that require a safe and non-stop power provision. WhisperPower's Supreme professional battery chargers combine three vital functions. Smooth, ripple free multiple step battery charging, a power supply function to buffer DC appliances in a direct way and a complete alarm and monitoring device for the entire 24 VDC system. All models are prepared to operate from 90-265 VAC/ 50-60 Hz input and are fitted with three separate outputs.

### Perfect all-in-one solution

- Powerful battery charger, suitable for any type of battery
- Ripple free rectifier to operate DC appliances in a direct way
- 3 separate outputs to charge multiple battery banks
- Universal single phase input (90-260 VAC, 50-60 Hz, full power)
- Proven switched mode technology, cool operation, IUoUo charging
- Parallel use for high power central (DC-UPS) power systems possible

### Standard features

- Compact, light weight, aluminium enclosure for bulk head or table top mounting
- Full functional LCD front display with backlight, on/off switch, read-out selector button. Battery monitor operational, at "on" or "off" position
- Charge protocol selection by dipswitch, USB and laptop, including Lithium ION
- Temperature sensor with 12 metre cable and plug
- Robust AC and DC M8 bold connections to connect 3 separate batteries
- Conformal coating protection of power module inside
- Perfectly suitable to back up GMDSS systems
- 5 Year Product Warranty



### Alarms and monitoring

- Potential free contacts to detect "AC failure" and "charger failure" alarms, "DC voltage high/ low alarm" and "charger temperature" alarm
- WhisperConnect Can-Bus (2x) connection to any other can systems, incl NMEA 2000.
- Analogue interfaces, + and - sense.
- USB interface for charge characteristic programming
- Remote panel with current adjust, to reduce AC consumption

### Optional

- WhisperPower TOUCH 5, 7 or 10 inch remote panel
- Analogue remote panels showing "charge status" and "current" control
- Batteries AGM, GEL or Lithion ION



### Control at a glance

Compact, easy to connect remote panels, WP-Touch or LED based analogue panels, with remote adjustment feature to adjust the charge current according to the AC power availability



### The right approval

We offer the entire range with class approval of choice, which includes DNV, Lloyds, bureau Veritas, ABS etc.

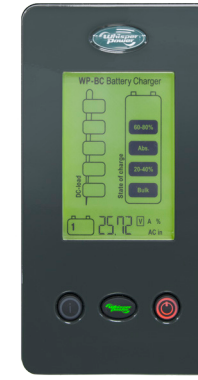
### GMDSS systems

The right choice for back up power systems connected to Global Marine Distress and Safety systems, all relevant alarms fitted as standard



### Wide selection

Supreme Pro 24/40,24/60, 24/80 and 24/100. Robust design suitable for extreme harsh circumstances.



### Advanced LCD display

All vital information available at a glance by our backlit LCD display, on/off button and read-out selection button (V, A, charge, discharge, battery monitoring).



### No limitations

Any battery, either GEL, AGM, open lead acid, traction or semi-traction, or Lithium ION can be connected to the Supreme Pro, easy programming by dip switch USB or laptop. 3 separate batteries can be connected (1 main, 2 x 6 Amp, all multiple step)



### Professional connections

Internal AC and DC connections (hard wiring) with maximum distance in between, plug and play single cable connectivity for the following functions:

- Remote panels
- Temperature sensor, to be put on the battery
- WhisperConnect Can Bus connection 1
- WhisperConnect Can Bus connection 2
- USB interface for specific uploading



### Global plug

Universal AC input, from 90 – 265 AC, 50/60 Hz, over the whole range full DC output