



## Battery charger/rectifier series

# Supreme Pro

**Commercial vessels, yachts, vehicles and industrial installations 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.**



DNV Approval

High efficiency  
low heat dissipation,  
optimum cooling

Easy accessible

Designed for harsh  
marine and mobile use

Easy to install  
Aluminum housing  
for wall mounting

5 years warranty



Best choice for  
AGM, GEL, Lead acid  
and Lithium

Universal autoranging  
input (90 - 265 VAC,  
50 - 60 Hz)

No buzzing,  
lowest noise level

Clear 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)

3 separate DC outputs  
to charge multiple  
battery banks.  
Multiple units can be  
used in parallel

### 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 - 265 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, Aluminum 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
- 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 years product warranty



### Optional

- WhisperTouch 5, 7 or 10 remote panel
- Analogue remote panels showing "charge status" and "current" control
- AGM, GEL, Lead acid or Lithium batteries

### 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 connection possible to connect to 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





### Wide voltage input

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



### Control at a glance

Compact, easy to connect remote panels, WhisperTouch or LED based analogue panels, with remote adjustment feature to adjust the charge current according to the AC power availability. Compatible with remote panels of other chargers 1.2. Mass-series.



## GMDSS

### GMDSS - Ready

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



### The right approval

We offer the entire range with DNV and UL class approval as standard.



### Wide choice, one size fits all

Supreme Pro 24 | 40, 24 | 60, 24 | 80 and 24 | 100. Robust design suitable for extreme harsh circumstances. Operating temperature -25 up to 60°C.

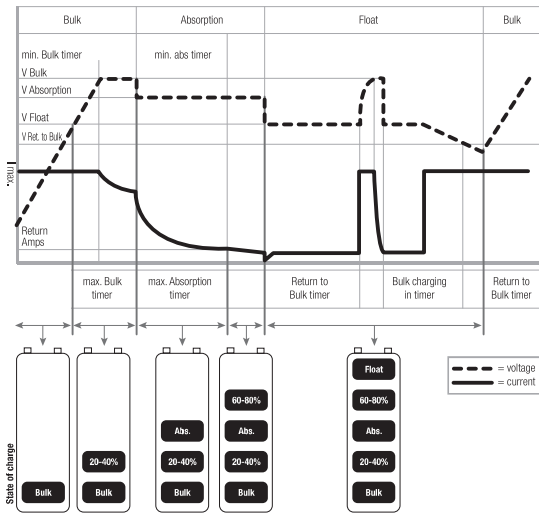


### Professional connections

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

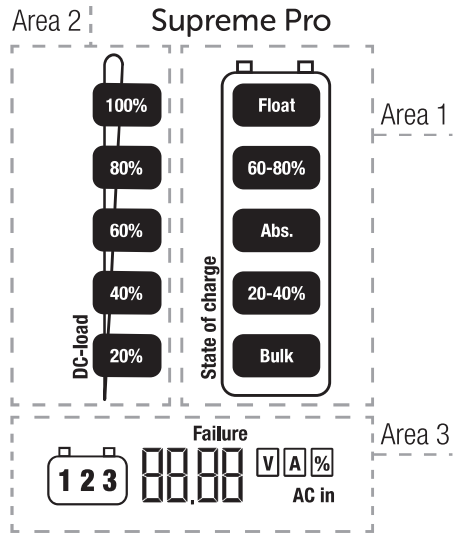
- Remote panels
- Temperature sensor, to be put on the battery
- WhisperConnect, 2 ports for easy connection to system
- USB interface for specific uploading

### THE ULTIMATE WAY OF CHARGING

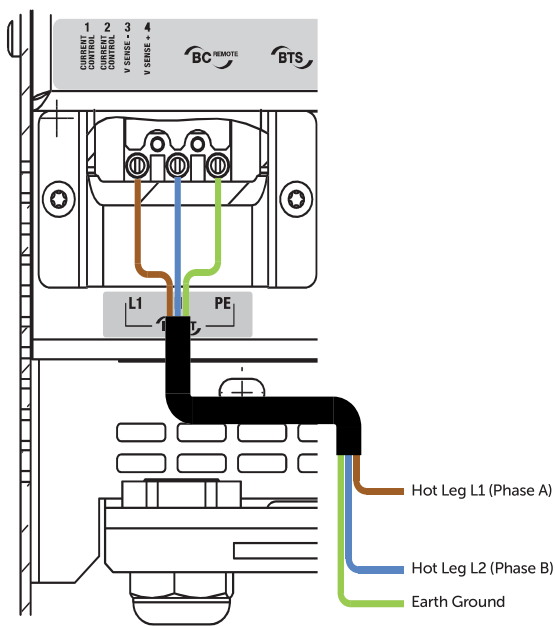


Clear indications at the Liquid Crystal Display (LCD) showing DC charge current, DC load (even when the charger is switched OFF), DC voltage and various AC / DC failure alarms. The graphs above are showing the charge characteristics of the Supreme Pro charger in case Lead acid batteries are connected. For Lithium batteries a constant voltage mode can be selected by dip switch setting.

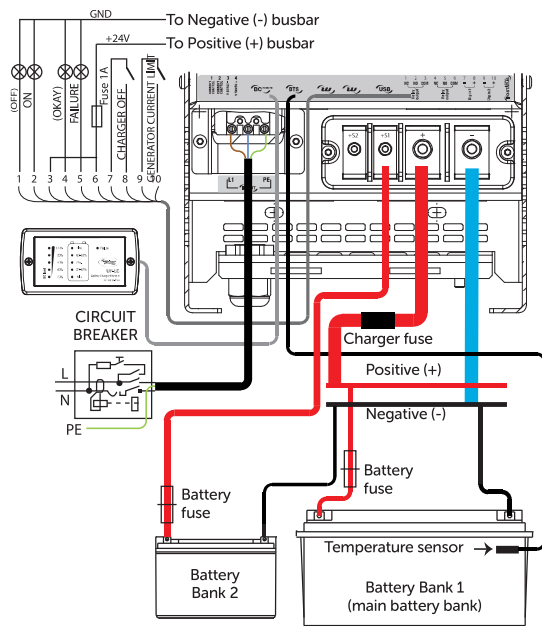
### FRONT PANEL INDICATORS



LCD display indicates voltage (DC) and Amps in figures, Amps also in graphics. Information button to select battery 1, 2 or 3. Display is in conformity with GMDSS requirements and is showing the necessary values.



AC connection compartment, hard wiring for AC connection cables. Universal input 110 / 120 / 230 VAC, 50 - 60 Hz.



Easy accessible connection compartment, with proper glands for the incoming cables. Robust, heavy duty studs for the battery / DC connections, kept separate from the printed circuit board.



# All features and benefits a professional battery charger should have



## Supreme Pro Series

	24 VDC   40 A	24 VDC   60 A	24 VDC   80 A	24 VDC   100 A
Article Number	60205440	60205460	60205480	60205401
<b>GENERAL SPECIFICATIONS</b>				
Nominal input voltage	120 / 230 VAC (90 - 265 VAC)	120 / 230 VAC (90 - 265 VAC)	120 / 230 VAC (90 - 265 VAC)	120 / 230 VAC (90 - 265 VAC)
Nominal input frequency	50 / 60 Hz (45 / 65 Hz)	50 / 60 Hz (45 / 65 Hz)	50 / 60 Hz (45 / 65 Hz)	50 / 60 Hz (45 / 65 Hz)
Nominal output voltage	24 VDC	24 VDC	24 VDC	24 VDC
Total charge current	40 A at 28.8 VDC	60 A at 28.8 VDC	80 A at 28.8 VDC	100 A at 28.8 VDC
Number of battery outlets	3	3	3	3
Charge current second output	6 A, ±1 A	6 A, ±1 A	6 A, ±1 A	6 A, ±1 A
Charge current third output	6 A, ±1 A	6 A, ±1 A	6 A, ±1 A	6 A, ±1 A
Charge characteristic	IUoUo, automatic / 3-step for GEL / AGM / Lead acid batteries			
Charge voltage Bulk (25°C) *)	28.8 VDC	28.8 VDC	28.8 VDC	28.8 VDC
Charge voltage Absorption (25°C) *)	28.5 VDC	28.5 VDC	28.5 VDC	28.5 VDC
Charge voltage Float (25°C) *)	26.5 VDC	26.5 VDC	26.5 VDC	26.5 VDC
Max. Absorption time *)	4 hours	4 hours	4 hours	4 hours
Max. Bulk time (start at 13.25 / 26.5 VDC) *)	8 hours	8 hours	8 hours	8 hours
Min. Absorption time *)	15 minutes	15 minutes	15 minutes	15 minutes
Dimensions (W x D x H) in mm	210 x 145 x 445	210 x 145 x 445	210 x 145 x 445	210 x 145 x 445
Dimensions (W x D x H) in inch	8.2 x 5.7 x 17.5	8.2 x 5.7 x 17.5	8.2 x 5.7 x 17.5	8.2 x 5.7 x 17.5
Weight	6.3 kg / 13.89 lb	6.3 kg / 13.89 lb	6.6 kg / 14.55 lb	6.6 kg / 14.55 lb
Battery capacity (recommendation)	100 - 500 Ah	150 - 750 Ah	300 - 800 Ah	400 - 1500 Ah
<b>TECHNICAL SPECIFICATIONS</b>				
Power factor (cos phi)	≥ 0.97	≥ 0.97	≥ 0.97	≥ 0.97
Full load consumption (230 VAC)	1400 VA	2000 VA	2700 VA	3375 VA
Temperature compensation	by BTS-Battery temperature sensor, standard supply			
Voltage compensation	yes, automatic	yes, automatic	yes, automatic	yes, automatic
DC consumption with connected battery	< 5 mA	< 5 mA	< 5 mA	< 5 mA
Display	LCD	LCD	LCD	LCD
Temperature range	-25 up to 60°C / -13 up to 140°F, above 40°C derating			
Cooling	Vario fan and natural cooling to ensure optimized cooling			
Sound level	< 55 dBA at 1 m	< 55 dBA at 1 m	< 55 dBA at 1 m	< 55 dBA at 1 m
Protection degree	IP23	IP23	IP23	IP23
Optional	Remote panel WP-SCC for remote power adjustment (electronic or turning knob)   WhisperTouch 7 or 10 inch			

\*) Adjustable by dip switch, USB or WhisperConnect



Supreme Pro | Basic Remote  
Standard Supply



Supreme Pro | Current Adjust  
Push button  
Art. Nr. 60205060



WhisperTouch  
Art. Nr. 40280101 - 7 inch  
Art. Nr. 40280102 - 10 inch

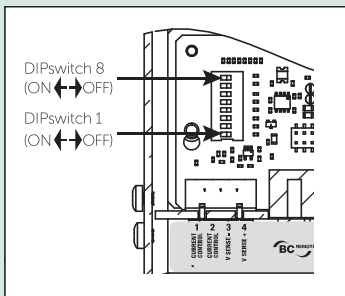
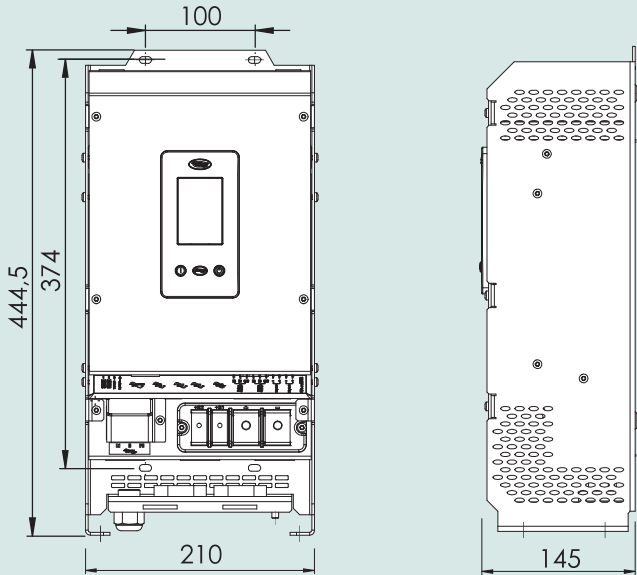


Temp sensor  
6 meter cable  
Art. Nr. 60201202

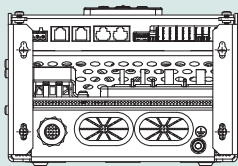


Supreme Pro | Current Adjust  
Turn Knob  
Art. Nr. 60205061

# Supreme Pro Dimensions



Easy accessible selector dip switches for various settings



# Approvals



DNV: Certificate Number: TAE00004EV



UL1236 Battery Chargers for Charging Engine-Starter Batteries  
cUL: CSA C22.2 No. 107.2 Battery Chargers

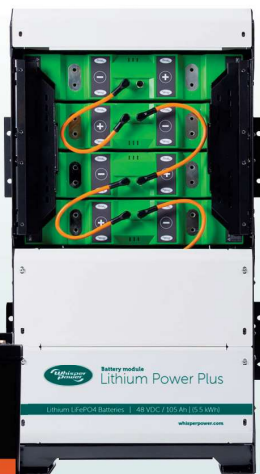


E mark: Complies with the relevant EU/ECE regulations



CE: Good's conformity with European health, safety, and environmental protection standards

# Suitable to charge any battery



## No limitations

Any battery, either AGM, GEL, Lead acid, traction, or Lithium can be connected to the Supreme Pro. Easy programming by dip switch, USB connect or laptop. Three separate batteries can be connected (1 main, 2 x 6 Amp, all multiple step).

