

Automatic Battery Charger | Power Supply

Supreme Pro 40|60|80|100 A



Enjoy Green Energy

whisperpower.com

Supreme Pro

Extremely compact and
battery charger/power



WhisperPower
Supreme Pro 100

Input: 100 A (28.8 V) | 3 Battery Outlets
whisperpower.com

WhisperPower
Supreme Pro 100

Input: 120/230 V (90-265 V) | Output: 24 V | Charge Current: 100 A (28.8 V) | 3 Battery Outlets
whisperpower.com



heavy-duty
supply



Enjoy Green Energy



Best choice

Commercial ships, pleasure craft and industrial installations are all equipped with numerous electronic devices requiring the highest quality non-stop power supply. There are increasingly demanding requirements in regard to DC voltage stability, interference suppression and connection to various onboard systems and these, in turn, also place higher demands on AC-DC battery chargers. WhisperPower's Supreme Pro is the ultimate solution.

Smart for a reason



Supreme Pro integrates perfectly into the 24 VDC system. The applied HF digital technology makes the charger compact, light weight and silent and charges any battery type (lead/ lithium) quickly and completely. Full bus-interfacing with the navigation bridge, navigation screens (Furuno, Raymarine, Navico, Garmin) and WhisperPower's OctoPower systems. Available for 40, 60, 80 or 100 A charge power, all designed for 24 VDC systems.



- ◀ **Look at the minimal space needed to install 9 kW of 24 VDC charging power!**
3 x Supreme Pro 24/100 only need 445 x 760 x 145 mm (hwxwd).

Automatic Battery Charger | Power Supply

Supreme Pro



High efficiency
low heat dissipation,
optimum cooling

Front access

Designed for harsh marine
and mobile use

Easy to install
aluminum housing for wall
mounting

5 years warranty



Best choice for
Lithium, GEL, AGM

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

No buzzing,
lowest noise level

Clear LCD display

DNV approval



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

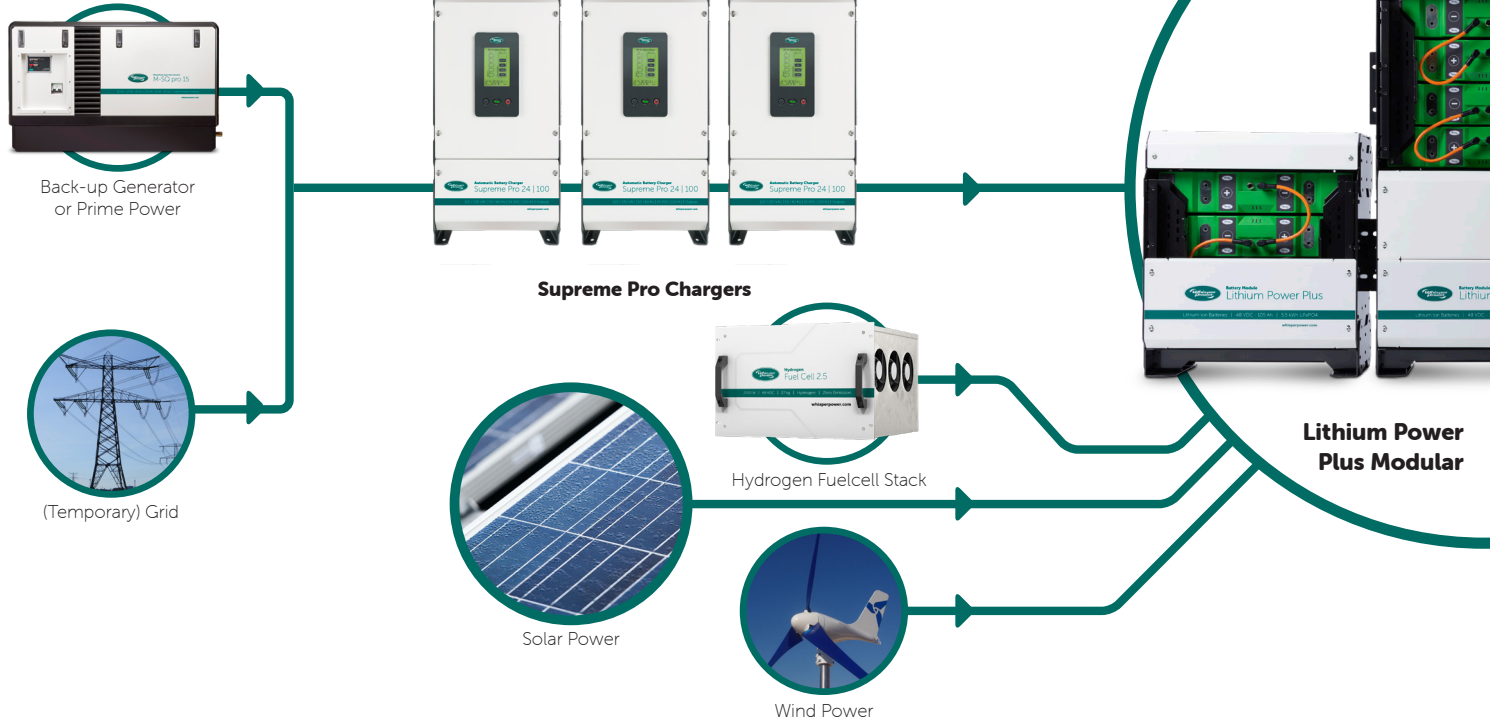
Outstanding

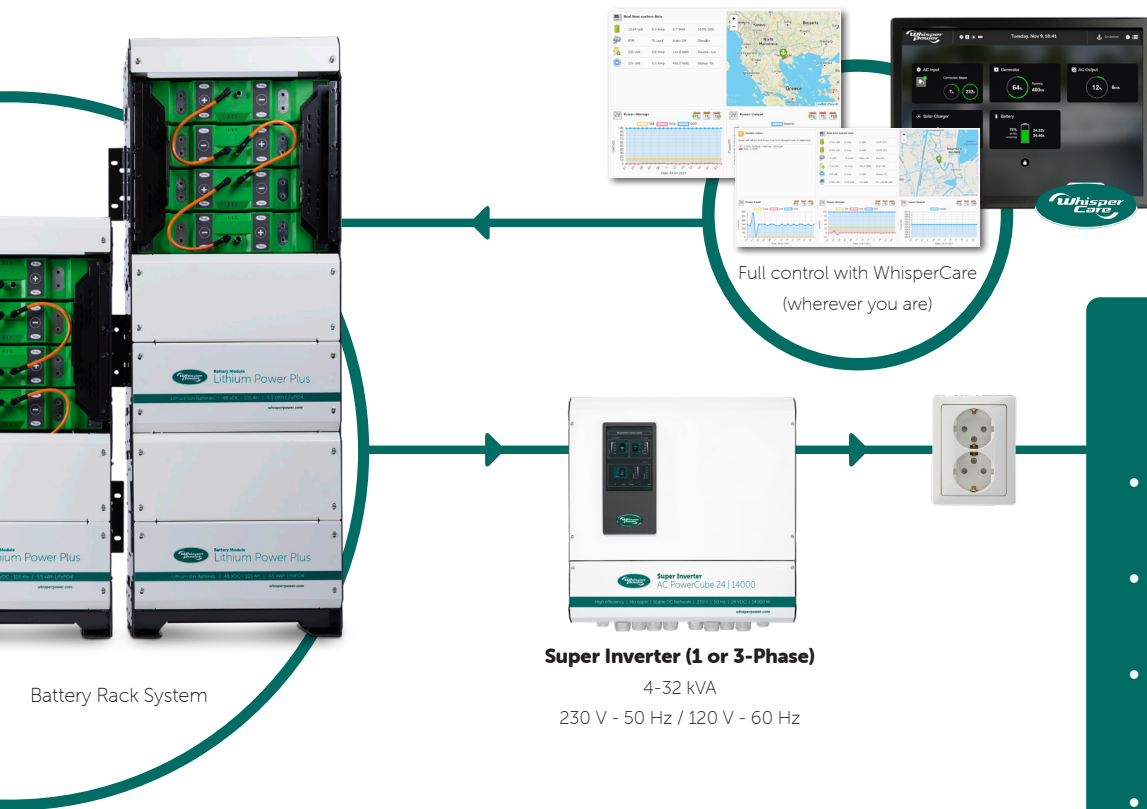
Supreme Pro battery chargers: heavy-duty range of battery chargers for domestic, maritime, recreational vehicle, residential or industrial use. Also suitable for use as a power supply. With a wide voltage input range, from 120/230VAC (50/60Hz) with multiple DC outputs and includes the most advanced switched mode technology to ensure compactness and low weight. Supreme Pro battery chargers are in conformity with the most stringent global standards including CE, ABYC A-31 and IEC60945.

- Input voltage 90 – 265 VAC, 50/60 Hz
- Easy to install, vertical or horizontal
- Clear LCD display
- Optimal system interfacing , digital and analogue connections
- Suitable for all types of batteries
- 3 DC outputs
- Extremely Compact, 445 x 210 x 145 mm (24/100 A model)
- 6.5 kg / 14.55 lbs (Supreme 24/100)

Application Example

Supreme Pro integrated into a total power system





Full control with WhisperCare
(wherever you are)

Super Inverter (1 or 3-Phase)
4-32 kVA
230 V - 50 Hz / 120 V - 60 Hz

- ## OctoPower system features
- Durable DC storage solution
 - Silent time by heavy-duty inverters
 - Diesel generator replacement or Generator running time reducer
 - The perfect UPS solution
 - Power source for e-propulsion (48VDC available)

OctoPower

Automatic Battery Charger / Power Supply

Supreme Pro



Art. nr.

24/40-3

60205440

24/60-3

60205460

24/80-3

60205480

24/100-3

60205401

GENERAL SPECIFICATIONS

| | | | | |
|---|----------------------|----------------------|----------------------|----------------------|
| Nominal input voltage | 120/230 V (90-265 V) | 120/230 V (90-265 V) | 120/230 V (90-265 V) | 120/230 V (90-265 V) |
| 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 V | 24 V | 24 V | 24 V |
| Total charge current | 40 A @ 28.8 V | 60 A @ 28.8 V | 80 A @ 28.8 V | 100 A @ 28.8 V |
| 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 | IUoUo | IUoUo | IUoUo |
| Charge voltage Bulk (25 °C) * | 28.8 V | 28.8 V | 28.8 V | 28.8 V |
| Charge voltage Absorption (25 °C) * | 28.5 V | 28.5 V | 28.5 V | 28.5 V |
| Charge voltage Float (25 °C) * | 26.5 V | 26.5 V | 26.5 V | 26.5 V |
| Max. Absobtion time * | 4 hours | 4 hours | 4 hours | 4 hours |
| Max. Bulk time (start @ 26.5V) * | 8 hours | 8 hours | 8 hours | 8 hours |
| Min. Absorption time * | 15 min. | 15 min. | 15 min. | 15 min. |
| Enclosure type & dimensions (hwxwd 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 (hwxwd 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 | 6.3 kg /13,89 lbs | 6.3 kg /13,89 lbs | 6.6 kg /14.55 lbs | 6.6 kg /14.55 lbs |
| Battery capacity (recommendation) | 100-500 Ah | 150-750 Ah | 300-800 Ah | 400-1500 Ah |

| | | | | |
|----------|--|---|--|--|
| |  |  |  |  |
| Art. nr. | 60205440 | 60205460 | 60205480 | 60205401 |

TECHNICAL SPECIFICATIONS

| | | | | |
|---------------------------------------|--|----------------|----------------|----------------|
| Power factor (cos phi) | ≥ 0.97 | | ≥ 0.97 | |
| Full load consumption (230VAC) | 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 to +60 °C / -13 to 140 °F, above 40 °C derating | | | |
| Cooling | Vario fan and natural cooling to ensure optimized cooling | | | |
| Sound level | < 55dBA @ 1 m | < 55dBA @ 1 m | < 55dBA @ 1 m | < 55dBA @ 1 m |
| Protection degree | IP23 | IP23 | IP23 | IP23 |
| Optional | Remote panel WP-SCC for remote power adjustment (electronic or turning knob) - Touch panel 7 of 10 inch | | | |

* Adjustable by Dipswitch, USB or WhisperConnect



Remote panel supplied as standard, with LED indicators



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



Available with Touch panel (7 or 10 inch) with full WhisperCare monitoring and control of the entire system. Full GMDSS connectability – DC/ AC potential-free contacts available



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That's why the Supreme Pro is the best choice!

Clean, readable digital LCD display with backlight

Instant feedback on DC and AC voltage and charging currents on up to three connected battery banks, with adjustable DC and AC alarms (by means of potential-free contacts).

Conformity Marks

Maximum safety and highest interference suppression Class B plus standard UL. Soon to be supplied as standard with the most important conformity marks for the professional maritime sector: DNV, GL and ABS (pending).

Wide range

Models available with 40, 60, 80 and 100 amps and all versions housed in the same sized compact case.

GMDSS functionality

The perfect main charger / power supply for a GMDSS system with backup battery, equipped with statutory alarms and volt / ampere metre on the front.

Control and monitoring at a glance

Compact and easy to connect to external control panels such as the WP-Touch or LED based analogue panels. Equipped with 'Settings' button to adjust charging current to the actual available AC flow.

Professional, internal connections

Robust DC connections suitable for continuous high load at high temperatures. Wide selection of analogue or digital remote functions such as:

- Tele jack connection for remote panels
- Connection for temperature sensor
- Various WhisperConnect CAN-bus connections
- USB port for uploading software, custom specific charge characteristics, etc.

Global plug

Input voltage range of 90 - 265 VAC, 50-60 Hz. High charge current also with low input voltage.



Our references (selection)







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**Long Life Lithium Ion Battery
ION POWER PLUS**

- Battery Management System integrated
- Discharge rate: 100%
- 28.3 kg - 62 A lbs
- Charge current: 100 Amp max
- Charge interface included
- Cycle life (> 4000 cycles)