



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.

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.

Wide range

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

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

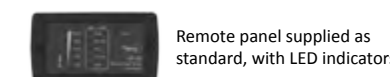
Input voltage range of 90 - 265 VAC, 50-60 Hz. High charge current also with low input voltage.



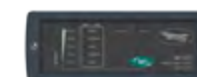
Battery Charger / power supply
Supreme Pro



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 @ 13.25/26.5V) *	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	6.5 kg /14.33 lbs	6.5 kg /14.33 lbs	6.5 kg /14.33 lbs	6.5 kg /14.33 lbs
Battery capacity (recommendation)	100-500 Ah	150-750 Ah	300-800 Ah	400-1500 Ah
TECHNICAL SPECIFICATIONS				
Power factor (cos phi)	≥ 0.97	≥ 0.97	≥ 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	< 52dBA @ 1 m	< 52dBA @ 1 m	< 52dBA @ 1 m	< 52dBA @ 1 m
Protection degree	IP23	IP23	IP23	IP23
Optional	Remote panel WP-SCC voor stroominstelling op afstand - Touchpaneel 5, 7 of 10 inch			



Remote panel supplied as standard, with LED indicators



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

* Adjustable by Dipswitch, USB or WhisperConnect



Generating Confidence

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Generating Confidence



High time for the new generation ...

WP-BC Supreme Pro 24|40 24|60 24|80 24|100
Battery charger

Battery charger / power supplies for shipping, industry and yacht building

Commercial ships, superyachts 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 DC-AC battery chargers. Most existing suppliers do little in terms of modernisation and innovation in this area. That is why, a few years ago, WhisperPower's design team set about developing a new range of charge devices and equipment aimed at solving this very issue. A range which is now our absolute pleasure to introduce: the Supreme Pro, 2020's answer to the ultimate, next generation battery charger / power supply. The range comprises of four models with 40, 60, 80 or 100 amp charge capacity, all designed for 24 VDC systems.



Generating Confidence



With the new Supreme Pro battery chargers you are installing the perfect battery charger / power supply!

Perfect all-in-one solution

- Powerful IUoUo battery charger, suitable for all types of batteries
- For 24 VDC batteries, available with 40, 60, 80 or 100 amp charging current
- 3 separate DC outputs to charge multiple battery banks
- Universal autoranging input (90-265 VAC, 50-60 Hz)
- Industrial high-frequency, optimally interference-suppressed power electronics
- High efficiency, low heat dissipation, optimum cooling
- Ideal as powerful central DC UPS / power supply
- Multiple units can be used in parallel

Standard features

- Compact, lightweight, aluminum housing for wall mounting
- Functional LCD front display with back-light, on / off switch and readout selection button
- Battery monitor operational in battery charger with "on" or battery charger "off" position
- Set specific charging protocols via DIP switch, laptop or USB
- Temperature sensor supplied as standard with 12 metres of cable and plug
- Standard remote control panel
- Robust AC connection with M8 studs on battery side
- Compliant coating to protect power supply module and electronics
- Ideal as backup for GMDSS systems - meets the relevant requirements
- 5 year product warranty

Alarms and monitoring

- Potential-free contacts to detect "AC failure" and "Charger failure" with potential-free contact for "DC voltage high / low alarm"
- WhisperConnect Can-Bus (2x) for connection to other bus systems, NMEA 2000 compatible
- All digital remote connections also available as analogue connections
- USB interface for programming customer-specific charge characteristics
- Option: analogue or digital remote panel for monitoring and setting charge current setting (AC input - current reduction)
- Standard analogue panel for remote mounting with charging phase indication

Optioneel

- WhisperPower WP-Touch 5 or 7 inch Touch panel

