

Dolphin pro HD+



TOUGH ENVIRONMENT DNV-GL* TYPE APPROVED

- Dedicated to commercial and offshore market
- Type-approved by Det Norske Veritas (DNV-GL)
- DOLPHIN PRO HD+ will be delivered with its Touchview display as a standard, measuring AMP/VOLT of battery charger, showing charging mode and alarms (temperature, fuse, battery)
- The HMI touchscreen control panel is a real innovation in the battery charger environment
- Using built-in CAN BUS J1939 interface, the DOLPHIN PRO HD+ can be connected to any monitoring system
- Built-in alarm relay is included for remote alarm system
- Conformal coating of PCB to prolong the life of the battery charger
- Compatible with MARBLE Automation NL (approved oct 14)

* Certificate No: E-14112 / File No 822.20 / Job ID/ 262.1-018698-1
Type tests in accordance with IEC 60335-1 & IEC 60335-2-29. Low temperature & Vibration tests in accordance to Sfc No. 2.4 Class A, Humidity / Damp heat tests in accordance with Sfc No. 2.4 Class B. EMC in accordance to Sfc No. 2.4 Class A



24V			
	40A	60A	100A
Input			
Input Voltage	115V/ 230V (+/-15%) Automatic Switchover		230V (+/-15%)
Frequency	50Hz/60Hz (+/-10%)		
Cos	0,9 typ		
Efficiency	0.85		0.88
Max. Current 115V/230V	12A/6A	12A/9A	15A
Fuse (5x20mm)	T20A		2xT20A
Output			
Number of outputs	3 isolated outputs		
Number of charging curves	9 programs, position selected by dip switch 00-Liquid Lead Acid batteries (open) 01-Sealed Lead batteries 02-Lead Calcium batteries 03-«Delphi» batteries 04- «Optima/Maxima» batteries 05-Winterizing 06-Batteries Gel&AGM 07-Power supply 08-LiFeSo4 batteries		
Charging curve	IUUo 3 modes		
Voltage share	+/-2%		
Ripple	< 1%		
Fuse (automotive mini)	3F30A		5F30
Protection			
	In case of output overload, Excessive internal temperature, Charging voltage too high Reverse battery polarity (fuse), Excessive battery temperature, Temperature sensor default, AC over and under voltage		
General			
Display	Touch screen control panel		
Operating temperature	-10°C to +65°C		
Storage temperature	-20°C to +85°C		
Humidity	10% to 95% (without condensation)		
Ventilation	Forced fan adjustable speed cooling		
Security	EN60335-29-2		
EMC	Emission EN55014-1		
Housing	Powder coating aluminium and composites materials (LED display)		
Mouting	wall mounted 4 x M4 screws		
Dimensions	346 x 360 x 125 mm		346 x 360 x 190 mm
Weight	6 Kg		12 Kg
DC connection	4 M8 terminals		
Battery terminal	2 pins max 10mm ² terminal, M6 bolt for ground		
Output alarm contact	1A 30V NO		
Optional connections			
Battery temperature sensor	2 pins terminal 1,5 mm ² max		
CAN bus connection	RJ11		
Code	399165	399175	399185