

Dolphin[®] charger



NEW

12V

24V

60A → 100A

ISO 8846



PRO Evo3 Series

Scandvik is proud to introduce the Dolphin PRO Evo3. This new range of Marine Battery Chargers is the result of the latest technological advancements in the world of power electronics. By comparison to the Dolphin Pro Chargers, an additional DC output has been added while reducing the overall dimensions by 16% (12v/90a, 24v/40a, 24v/60a) and 30% (24v/100a). Not only are they more compact but also 30-60% lighter (9 lbs.) offering the highest power to space ratio on the market!

With 4 independent isolated DC outputs and NMEA 2000 communication the Pro Evo3 meets the demands of today's leading boat builders and modern electrical systems.

Ultra-compact and lightweight

Thanks to the new electronics this new generation of product is 30 to 60% lighter than the previous one. The weight of the 24 volt 100 amp unit is just under 9 Lbs.

4 Independent isolated outputs

All PRO EVO3 offer 4 independent isolated DC outputs. It allows to simplify the charging system consisting of several battery banks.

NMEA 2000

NMEA 2000 plug & play communication skills. All PRO EVO3 chargers feature CAN communication port including certified N2K port with latest PGEN.

High-Efficiency DSP technology

PRO EVO3 Chargers deliver full power even at very high temperatures (up to 50°C/122°F). This “no derating” feature is quite unique on the market.

Selectable battery chemistries

8 Selectable charging profiles including Lead Acid, Gel, AGM, Lithium-Ion batteries with temperature compensation.

Ignition Protected

PRO EVO3 12.90 is now ISO 8846 and SAE J1171 certified.



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Technical Specifications				
	12V 90A	24V 40A	24V 60A	24V 100A
Input				
Input voltage	115/230V(+/-15%)			230V(+/-15%)
Frequency	50/60 Hz			
Power factor Cos j	>0.95			
Efficiency	92%			
Max. Consumption	1450 VA	1300 VA	1950 VA	3200 VA
Derating @ 115V	No	No	1300 VA	No
Fuse (Glass type 6.3x32mm)	T20A			
Output				
Number of output	4 isolated (full power)			
Charging profiles	Open lead acid / Sealed lead acid / Lead calcium / Spiral cell AGM / Winterizing / Odyssey Marine / GEL / Power Supply / LiFePO4#1 + BMS / LiFePO4#2 + BMS			
Charge profile selection	Rotary switch 10 positions			
Charging algorithm	I.U.o.U.			
Temperature compensation	+/-2.5mV/°C (Ext temp sensor supplied)			
Max. Amp (+/-5%)	90A	40A	60A	100A
Battery capacity	350 ÷ 900 Ah	200 ÷ 400 Ah	250 ÷ 600 Ah	400 ÷ 1000 Ah
Fuse (auto mini)	5F25A	3F25A	3F25A	5F25A
Protections				
Auto restart when alarm disappears (output, short circuit, output voltage, internal over temp)	Output current limited / Output short circuit / Overload output voltage / Reverse polarity / Over temperature			
General				
Display	LED Panel (State of charge , Power, Alarms)			
Operating temperature	14°F to 131°F (Full power till 122°F)			
Storage temperature	68°F to 158°F			
Humidity	10% to 95% (without condensation)			
Convection	Force fan adjustable speed cooling			
Mounting	Wall mounted 4 x #8 screws			
On/Off Operation	Front Push button or dry contact NO (terminal block 2pin 1mm²)			
Input alarm	Dry contact NO (terminal block 2pin 1mm²)			
Output alarm contact	x2 0.5A 30V NO (terminal block 2pin 1mm²)			
Battery temperature sensor	External sensor (terminal block 2pin 1mm²)			
CAN bus connection	x2 Micro-Fit 3.0			
Communication standard	Navicolor by Scheiber, NMEA 2000			
Standards				
Safety	EN60335-1 / EN 60335-2-29			
Mechanical & Environmental	IEC 60068-2-30/1/52 (climatic, salt spray)			
EMC	EMC 2014/30/EU Directive			
Ignition Protection	SAE J1171/ISO 8846	No		
Part Number	99454	99474	99464	99484
Enclosure				
Material and color	ABS (thermoplastic polymer)			
Dimensions H x W x D (inches)	11.2 x 14.2 x 4.8 inch			
Weight (lbs)	9 lbs			
Enclosure class	IP22			
AC Connection	WAGO WINSTA Type 770-813 connector			
DC Termial	4M8 Terminals			