

DolPro evo3 Series

This new range of chargers is the result of the latest technologies in the world of power electronics. After several years of development we are thrilled to introduce PRO EVO3. These chargers represent a leap into the future with unparalleled performance and benefits. These products will fit perfectly in your battery charging system for your boat. These new chargers offer the best power to space ratio on the market with unmatched performance!

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 4 kg.

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.

O— 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)		T2	OA	
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	+/-2,5 mV / °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 desa- pears (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	-10°C to +55°C (Full power till +50°C)			
Storage temperature	-20°C to +70°C			
		-20°C t	o +70°C	
			o +70°C nout condesation)	
Humidity		10% to 95% (with		
Humidity Convection		10% to 95% (with Force fan adjusta	nout condesation)	
Humidity Convection Mounting	Front Pu	10% to 95% (with Force fan adjusta Wall mounted	out condesation) ble speed cooling	in 1mm²)
Humidity Convection Mounting On/Off Operation	Front Pu	10% to 95% (with Force fan adjusta Wall mounted ush button or dry contac	ble speed cooling 4 x M4 Screws	in 1mm²)
Humidity Convection Mounting On/Off Operation Input Alarm	Front Pu	10% to 95% (with Force fan adjusta Wall mounted ush button or dry contact Dry contact NO (term	nout condesation) ble speed cooling 4 x M4 Screws ct NO (terminal block 2pi	in 1mm²)
Humidity Convection Mounting On/Off Operation Input Alarm Output alarm contact	Front Pu	10% to 95% (with Force fan adjusta Wall mounted ush button or dry contact Dry contact NO (term x2 0,5A 30V NO (term	ble speed cooling 4 x M4 Screws t NO (terminal block 2pi	in 1mm²)
Humidity Convection Mounting On/Off Operation Input Alarm Output alarm contact Battery temperature sensor	Front Pu	10% to 95% (with Force fan adjusta Wall mounted Ush button or dry contact Dry contact NO (term x2 0,5A 30V NO (term External sensor (term	nout condesation) ble speed cooling 4 x M4 Screws ct NO (terminal block 2pininal block 2pin 1mm²) ninal block 2pin 1mm²)	in 1mm²)
Humidity Convection Mounting On/Off Operation Input Alarm Output alarm contact Battery temperature sensor CAN Bus connection	Front Pu	10% to 95% (with Force fan adjusta Wall mounted ush button or dry contact Dry contact NO (term x2 0,5A 30V NO (term External sensor (term	ble speed cooling 4 x M4 Screws tt NO (terminal block 2pininal block 2pin 1mm²) ninal block 2pin 1mm²) ninal block 2pin 1mm²)	in 1mm²)
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Humidity Convection Mounting On/Off Operation Input Alarm Output alarm contact Battery temperature sensor CAN Bus connection Communication standard Standards	Front Pu	10% to 95% (with Force fan adjusta Wall mounted ush button or dry contact Dry contact NO (term x2 0,5A 30V NO (term External sensor (term x2 Micr Navicolor by Sche	ble speed cooling 4 x M4 Screws tt NO (terminal block 2pininal block 2pin 1mm²) ninal block 2pin 1mm²) ninal block 2pin 1mm²) o-Fit 3.0	in 1mm²)
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Humidity Convection Mounting On/Off Operation Input Alarm Output alarm contact Battery temperature sensor CAN Bus connection Communication standard Standards Safety Mechanical & Environmental	Front Pu	10% to 95% (with Force fan adjusta Wall mounted ush button or dry contact Dry contact NO (term x2 0,5A 30V NO (term x2 Micr Navicolor by Scho EN 60335-1/1	ble speed cooling 4 x M4 Screws ct NO (terminal block 2pininal block 2pin 1mm²) ninal block 2pin 1mm²) ninal block 2pin 1mm²) o-Fit 3.0 eiber, NMEA 2000	in 1mm²)
Humidity Convection Mounting On/Off Operation Input Alarm Output alarm contact Battery temperature sensor CAN Bus connection Communication standard Standards Safety Mechanical & Environmental EMC	Front Pt SAE J1171/ISO 8846	10% to 95% (with Force fan adjusta Wall mounted ush button or dry contact Dry contact NO (term x2 0,5A 30V NO (term x2 Micr Navicolor by Scho EN 60335-1/1	ble speed cooling 4 x M4 Screws ct NO (terminal block 2pin 1mm²) minal block 2pin 1mm²) minal block 2pin 1mm²) o-Fit 3.0 eiber, NMEA 2000 EN60335-2-29 2 (climatic, salt spray)	in 1mm²)
Humidity Convection Mounting On/Off Operation Input Alarm Output alarm contact Battery temperature sensor CAN Bus connection Communication standard Standards Safety Mechanical & Environmental EMC Ignition Protection		10% to 95% (with Force fan adjusta Wall mounted ush button or dry contact Dry contact NO (term x2 0,5A 30V NO (term x2 Micr Navicolor by Scho EN 60335-1/1	ble speed cooling 4 x M4 Screws tt NO (terminal block 2pininal block 2pin 1mm²) ninal block 2pin 1mm²) ninal block 2pin 1mm²) o-Fit 3.0 eiber, NMEA 2000 EN60335-2-29 2 (climatic, salt spray)	in 1mm²)
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Humidity Convection Mounting On/Off Operation Input Alarm Output alarm contact Battery temperature sensor CAN Bus connection Communication standard Standards Safety Mechanical & Environmental EMC Ignition Protection Part Number Enclosure Material and colour Dimensions H x W x D (mm) Weight kg (lbs)	SAE J1171/ISO 8846	10% to 95% (with Force fan adjusta Wall mounted ush button or dry contact Dry contact NO (term x2 0,5A 30V NO (term x2 Micr Navicolor by Sche EN 60335-1/1 IEC 60068-2-30/1/5; EMC 2014/30 399474 Polycarbo 284 x 360 x 122 mm 3,5 Kg (8 lbs)	ble speed cooling 4 x M4 Screws tt NO (terminal block 2pin innal block 2pin 1mm²) ninal block 2pin 1mm²) ninal block 2pin 1mm²) o-Fit 3.0 eiber, NMEA 2000 EN60335-2-29 2 (climatic, salt spray) D/EU Directive No 399464	399484
Humidity Convection Mounting On/Off Operation Input Alarm Output alarm contact Battery temperature sensor CAN Bus connection Communication standard Standards Safety Mechanical & Environmental EMC Ignition Protection Part Number Enclosure Material and colour Dimensions H x W x D (mm) Weight kg (lbs) Enclosure class AC Connection	SAE J1171/ISO 8846	10% to 95% (with Force fan adjusta Wall mounted ush button or dry contact Dry contact NO (term x2 0,5A 30V NO (term x2 Micr Navicolor by Scho EN 60335-1 / I IEC 60068-2-30/1/5; EMC 2014/30 399474 Polycarbo 284 x 360 x 122 mm 3,5 Kg (8 lbs)	ble speed cooling 4 x M4 Screws tt NO (terminal block 2pin 1mm²) ninal block 2pin 1mm²) ninal block 2pin 1mm²) o-Fit 3.0 eiber, NMEA 2000 EN60335-2-29 2 (climatic, salt spray) D/EU Directive No 399464 mate white (11.2 x 14.2 x 4.8 inch)	399484