



Dolphin[®] charger



PRO TOUCH Series

**12V90A / 24V40A / 24V60A / 24V80A
and 24V100A**

Dolphin Charger Pro Touch are efficient, robust and ultra reliable

Ultra safe: Compatible with most of battery types including Lithium Ion LFP, smart 3 stages charging characteristics and battery temperature sensor for a better battery lifespan, chargers are perfectly suitable for marine application, special vehicle and large RV's and industry.

Ultra connected: Canbus communication and built-in contacts alarm for easy integration with monitoring system. Touch LED 2,5' HMI for intuitive and easy interaction with the possibility to install a remote Touch LED display (optional).

Ultra protected:

- Output overload and short-circuit
- Internal overtemp
- Overvoltage
- Reverse polarity (fuse)

Ultra efficient: Full power on 3 isolated outputs up to 55° C, universal input voltage 115/230V, 50/60Hz (except 80A and 100A only 230V 50/60Hz). Possibility for parallel operation for large installations up to max 800 amp.

12V **24V**
40A → 100A



Technical specifications

	12V/90A	24V/40A	24V/60A	24V/80A	24V/100A
Input					
Input voltage	115/230V (+/-15%)			230V (+/-15%)	
Frequency	50/60 hz				
Cos φ	> 0,9				
Efficiency	83%	87%			
Max. Current 115V/230V	16A/7A	14A/6A	15A/9A	15A	17A
Fuse (6,3x32mm)	T20A	T20A	T20A	T20A	2T20A
Output					
Number of output	3 isolated (Full power)				
Number of charging curves	Open lead acid / Sealed lead acid / Lead calcium / calcium calcium / Spiral cell AGM / Winterizing open lead acid / Odyssey Marine / GEL AGM/ Power supply / LifeSo4 + BMS				
Charging curve	I.U.U.o				
Voltage share	+/-2%				
Max. Amp	90A	40A	60A	80A	100A
Battery capacity	450 ÷ 900 Ah	200 ÷ 400 Ah	300 ÷ 600 Ah	400 ÷ 800 Ah	500 ÷ 1000 Ah
Fuse (auto mini)	4F30A	3F25A	3F25A	5F25A	5F30A
Protections					
Auto restart when alarm desappears	Output current limited / Output short circuit / Overload output voltage / Reverse polarity / Over temperature				
Generalities					
Display	Multicolor 2,4" touch TFT				
Operating t°	-10°C to +55°C (Full power till +50°C)				
Storage t°	-20°C to +65°C				
Humidity	10% to 95% (without condensation)				
IP Rating	IP22				
Convection	Force fan adjustable speed cooling				
Housing	White Powder coating aluminium				
Mounting	Wall mounted 4 x M4 Screws				
Dimensions D x W x H (mm)	128 x 346 x 358				196 x 346 x 358
Weight	6 Kg				11,5 Kg
AC Connection	3-point cage terminal 10mm ² max				
DC Terminal	4M8 Terminals				
Output alarm contact	1A 30V NO				
Battery temperature sensor	2-point 1,5mm ² cage terminal				
External touch screen control panel (Touchview)	RJ45				
CAN Bus connection	2 Micro-Fit & RJ11				
Standards					
Safety	EN 60335-1				
Mechanical & Environmental	IEC 60068-2-30/1/52 (climatic, salt spray)				
EMC	EN 55016, IEC 61000				
Part Number	399450	399460	399470	399477	399480