



Premium Series

**12V10A, 12V15A, 12V25A, 12V40A,
12V60A, 24V20A and 24V30A**

Dolphin[®] Charger Premium Series are compact, robust and very reliable.

Microprocessor controlled for multi-stage charging technology

Can charge 4 different battery technologies including LFP (lithium iron phosphate)

Automatic weekly battery equalisation for longer battery life

Full power till 50°C without any derating

Safe AC and DC connectors for fast and reliable installation

Wide AC input voltage range 115/230V, 50/60Hz automatic (Except 10A and 15A)

Night mode (silent with fan disconnected) on 25A and 40A

Standard CanBus communication (model 12 volts 60 A and 24 volts 30 A)

Protection features for safe operation:

- output overload
- output short-circuit
- overtemp
- overvoltage
- battery reverse polarity

4 Years warranty

12V **24V**
10A → 60A



Technical specifications

	12V					24V	
	10A	15A	25A	40A	60A	20A	30A
Input							
Input voltage	230V (+/-15%) 115V on request			115/230V (+/-15%)			
Frequency	50/60 hz						
Cos	> 0,9						
Efficiency	83%			87%			
Max. Current 115V/230V	1,3A	1,9A	4A/2A	7A/3,5A	10A/20A	7A/3,5A	10A/20A
Fuse (6,3x32mm)	T2A	T3,15A	T6A	T10A	T16A	T10A	2T20A
Output							
Number of output	3						
Number of charging curves	Open lead acid / Lead calcium / GEL / LifePo4 + BMS						
Charging curve	I.U.U.o						
Voltage share	+/-2%						
Max. Amp	10A	15A	25A	40A	60A	20A	30A
Battery capacity	50 ÷ 100 Ah	70 ÷ 150 Ah	100 ÷ 250 Ah	200 ÷ 400 Ah	300 ÷ 600 Ah	200 ÷ 400 Ah	300 ÷ 600 Ah
Ripple	< 1% (BW < 20MHz)						
Fuse (auto mini)	F15A	F20A	2F15A	2F25A	3F25A	2F15A	3F15A
Protections							
	Output current limited / Output short circuit / Overload output voltage / Reverse polarity / Over temperature						
Generalities							
Display	Tri-colour LED display						
Operating t°	-10°C to +55°C						
Storage t°	-20°C to +65°C						
Humidity	10% to 95% (without condensation)						
IP Rating	IP20						
Ventilation	Natural convection		Force fan adjustable speed cooling				
Safety	EN 60335-2-29 (2002)						
EMC	EN 55016, IEC 61000						
Housing	White Powder coating aluminium						
Mounting	Wall mounted 2 x M4 Screws				Wall mounted 3 x M4 Screws	Wall mounted 2 x M4 Screws	Wall mounted 3 x M4 Screws
Dimensions D x W x H (mm)	96 x 120 x 238		96 x 120 x 354		115 x 240 x 284	96 x 120 x 354	115 x 240 x 284
Weight	1,3 Kg		1,9 Kg		3,1 Kg	1,9 Kg	3,1 Kg
AC Connection	3-point cage terminal 20A 4mm ² max Wago Winsta Ref 770.813						
DC Terminal	4 Pos 40A max , 630V 10 mm ² max PC 16/4 -STF				4 Pos 60A / 35mm ²	Same as 399030	4 Pos 60A / 35mm ²
Optional connections							
External touch screen control panel (Touchview)	No				RJ45	No	RJ45
CAN Bus connection	No				2 Micro-Fit & RJ11	No	2 Micro-Fit & RJ11
Part Number	399000	399010	399020	399030	399050	399040	399060