





DOLPHIN 1 - DOLPH2 - 12 VOLT

Ref	Type	Characteristi	cs	Ref	Type	Characteristics
29900	00 12V10A	2 Output 115/230V	Manual	299700	12V10A	2 Output 115/230V Manual
29900)2 12V15A	2 Output 115/230V	Manual	299702	12V15A	3 Output 115/230V Manual
29900	04 12V20A	2 Output 115/230V	Manual	299715	12V20A	3 Output 115/230V Auto
2990	70 12V30A	3 Output 115/230V	Manual	299770	12V30A	3 Output 115/230V Auto
29900	3 12V40A	3 Output 115/230V	Manual	299703	12V40A	3 Output 115/230V Auto
2990°	I1 12V60A	3 Output 115/230V	Manual	299711	12V60A	3 Output 115/230V Auto
29900	08 12V80A	3 Output 230V		299708	12V80A	3 Output 115/230V Auto
29950	08 12V80A	3 Output 115/230V	Manual	200.00	1210071	o dalpat 116/2001 /tato
29900	7 12V100A	3 Output 115/230V	Manual	299707	12V100A	3 Output 115/230V Auto

All Dolphin Battery Chargers are 50/60Hz automatic

REMOTE PANELS (OPTIONAL)

For all models of Dolphin Battery Chargers



Reference: 299034 DOLPHIN 1 Reference: 299037 (for 12v30a and higher)

DOLPH2 - 3 m cable supplied as standard



DOLPHIN 1 - DOLPH2 - 24 VOLT

Ref	Type	Characteristics	Ref	Type	Characteristic	S
299072	24V10A	3 Output 115/230V	299772	24V10A	3 Output 115/230V	Auto
299010	24V20A	3 Output 115/230V	299710	24V20A	3 Output 115/230V	Auto
299012	24V30A	3 Output 115/230V	299712	24V30A	3 Output 115/230V	Auto
299514	24V40A B	3 Output 115/230V		See 299714		
299014	24V50A	3 Output 230V	299714	24V50A	3 Output 115/230V	Auto
299515	24V60A B	3 Output 115/230V		See 299716		
299016	24V80A	3 Output 230V		See 299716		
299516	24V80A	3 Output 115/230V	299716	24V80A	3 Output 115/230V	Auto
299017	24V100A	3 Output 230V	299717	24V100A	3 Output 230V	
299018	24V120A	3 Output 230V	299718	24V120A	3 Output 230V	
			299795	24V120A	3 Output 230V - 3 ph	nase
299243	24V120A	3 Output 400V	299728	24V120A	3 Output 400V - 3 ph	nase
299046	24V150A	3 Output 400V	299796	24V150A	3 Output 230V - 3 pł	nase
299046	24V150A	3 Output 400V	299730	24V150A	3 Output 400V - 3 ph	nase
299019	24V160A	3 Output 230V	299719	24V160A	3 Output 230V	

All Dolphin Battery Chargers are 50/60Hz automatic

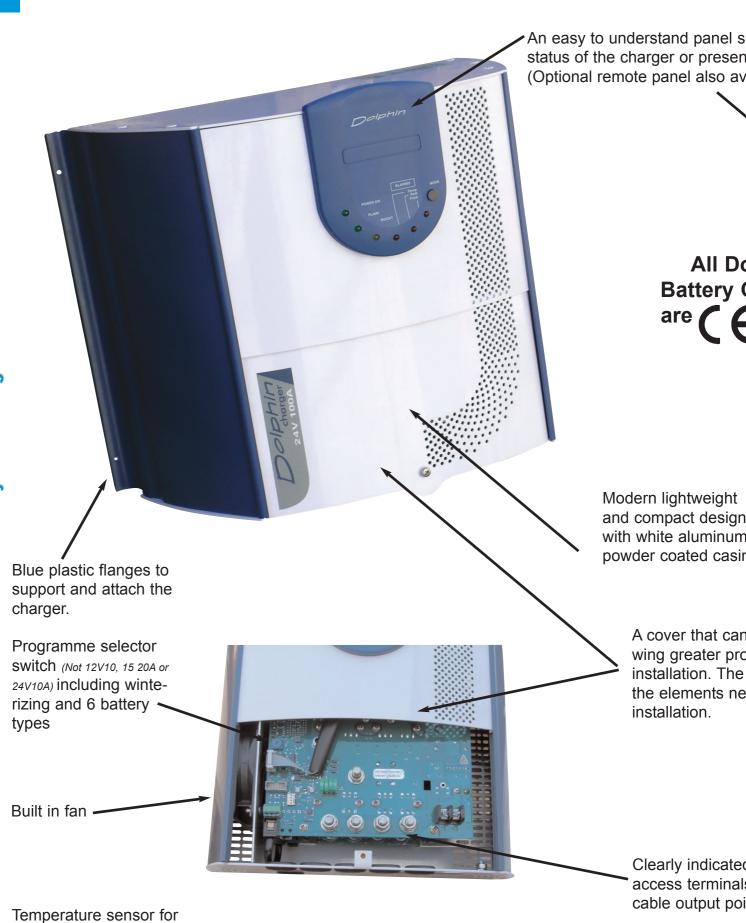
All New Dolphin Battery Chargers have a **Power Supply** Mode at position 8.

		, ,			
Ref	Type	Characteristics	Ref	Type	Characteristics
299616 299610	24V60A B 24V80A	3 Output 115/230V 3 Output 115/230V	299716	24V80A	3 Output 115/230V
299612	24V100A	3 Output 230V	299717	24V100A	3 Output 230V
299614	24V120A	3 Output 230V	299718	24V120A	3 Output 230V



battery compensation

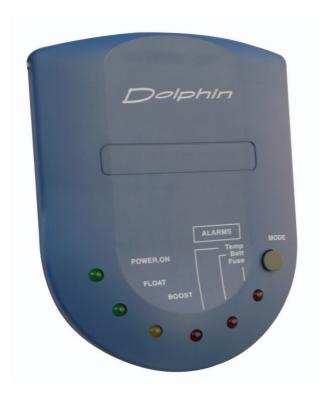






howing the ce of faults. ailable)

olphin Chargers marked



Internal connection for LED remote panel

LED Display for Programming & Monitoring Functions

ISO 9002 certified manufacturing plant

Universal AC input voltage 115/230 VAC 50/60 Hz

Switch mode technology and four-stage charging design

Latest SMD electronic construction technology

Main characteristics of all Dophin Chargers.

be only partially removed, allostection of the PC Board during technician only has access to cessary to carry out a successful

d 3 independent DC s with an individual nt for each terminal.

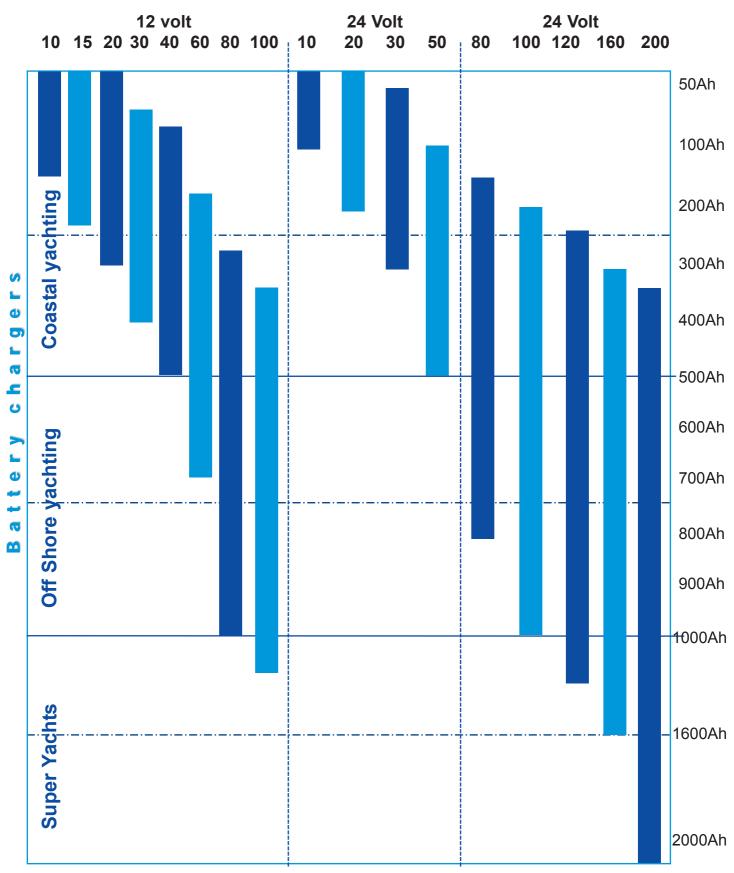


3 year warranty (2 years for 12v10a /15a /20a & 24v10a)





How to choose the right Dolphin Charger for your boat



Battery Charger

We recommend a charging rate to a maximum of 20% of the amp hour capacity of the battery.

E.g. the charger for a 300Ah battery is maximum 60amps.



Electrical cabinet

This new concept combines AC circuit protection with a battery charger.

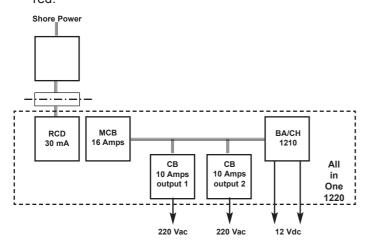
The AC circuit protection includes a residual current device (RCD**) and 2 miniature circuit breakers (MCB).

The battery charger is an IUoU charging curve switch mode type with 2 or 3 outputs for engine and service batteries.

**GFCI - Ground fault circuit interrupter



- In today's high tech world, more and more people need a compact and efficient source of electrical power on small craft. REYA has developed an innovative "All-in-One" unit which combines an AC distribution system with a 12V switch mode battery charger, all in the same compact box.
- AC circuit protection is by means of a 30 mA, 16 amp R.C.C.B. unit. Two AC loads can be connected, each with its own 10 amp double pole circuit breaker.
- ◆ The battery charging function is identical to that in the standard Dolphin Battery Charger.
- The "All-in-One" units are available in 3 different models, 10amp, 15amp and 20amp. All have 2 or 3 outlets to provide charging for 2 or 3 separate banks if required.



Norm

ISO 13297 (electrical systems-Alternating current installations)

3.7.5 Main supply circuits

A manually reset trip free double-pole circuit breaker shall be installed in conductors to the main power supply circuits.

3.8 Earth leakage protection / Ground fault protection

3.8.2 The main supply circuit shall be equipped with a double-pole RCD breaker having a maximum nominal trip sensitivity of 30 mA (this value is for quick tripping and protection against personal shock) and 100 milliseconds maximum trip time.

The unit conforms to the latest ISO 13297 regulations.

Model:	10 amp	15 amp	20 amp
Voltage:	12 V	12 V	12 V
Charger outputs:	2	3	3
Charge:	10A	15A	20A
Charging characteristics:	IUoU	IUoU	IUoU

Model	Reference	Code	Weight & Dimensions
12V 10amps	ALLINONE1210	299810	2.1kg & 265x280x110mm
12V 15amps	ALLINONE1215	299815	2.1kg & 265x280x110mm
12V 20amps	ALLINONE1220	299820	2.1kg & 265x280x110mm





Battery Chargers 12 Volt

Coastal Yachting - 12V 10A - 12V 120A



DOLPHIN2 Battery Chargers - 12 Volt

provide a reliable, stress free way to charge batteries. They are compatible with all types of generators currently available on the market.

Your Dolphin Battery Charger has an automatic 115V/230V switchover (except 12v10a & 12v15a) meaning that your charger is always compatible with shore power. Acceptable voltage range is 98 - 130 Volts and 195 - 265 Volts. Regardless of the quality of shore power (weak shore power supply in high summer) your DOLPHIN 2 will work efficiently.

Sturdy & reliable, there are 6 charging programmes suitable for all common types of marine batteries. In addition, there are 2 winterising programmes, 1 sulphation recovery programme & 1 power supply programme. This latter function is very practical for certain on board instruments or for guaranteeing a constant & efficient illumination whilst prolonging the life of the light bulb.

Remote Control Panel



Remote Control Panel Dolphin 2:

Suitable for the complete **DOLPHIN2** range (from 12V 30A), this panel carries out the same functions as the display panel on the front of the charger.

Dimensions: 120 x 65 mm (15 mm deep). Supplied with 5m flat cable & connector.

Description	Reference	Code
Control Panel	REMOTEBC2	299037
(Dolphin 2)		

Accessories:

Extensions (cable & connectors)

 5 meters
 RAL5M
 299077

 15 meters
 RAL15M
 299078

 Temperature Sensor
 SONDE-T
 299045

Charging Programmes

By internal switch for: 12V30A - 12V80A (DOLPHIN2)

Position	U. Boost	U.Float.
0- Cycle Wet or flooded electroly	14.4∨ yte batteries	13.2V
1- Cycle Sealed Lead batteries/	14.2V MAXIMA	13.6V
2- Cycle Lead Calcium batteries	14.8V	13.8V
3- Cycle DELPHI batteries	15.4V	13.8V
4- Cycle OPTIMA batteries	15.5V	13.8V
5- Winterisation Free lead batteries	14.4V	13.2V
6- Winterisation Sealed Lead batteries Gel - DELPHI - MAXIMA	14.2V	13.6V
7- Cycle Gel batteries	14.4V	13.8V
8- Power Supply	13.	6V
9- Sulphation recovery Programme	17.0V	13.8V



Battery Chargers Olphin charger 120

Models	12V 10A	12V 15A	12V 20A	12V 30A	12V 40A	12V 60A	12V 80A	12V100A
Codes	299700	299702	299715	299770	299703	299711	299708	299707
Battery capacity	→ 160 Ah	→ 220 Ah	→ 300 Ah	→ 400 Ah	→ 500 Ah	→ 700 Ah	→ 1000 Ah	→ 1200 Ah
Input:								
Input Voltage Frequency Switchover 115V/230V Cos phi	Manual 0.65 typ.	Manual 0.65 typ.	Automatic 0.9 typ.	115V/230V ± 15% 50/60 Hz ± 10% Automatic 0.9 typ.	Automatic 0.9 typ.	Automatic 0.9 typ.	Automatic 0.9 typ.	Automatic 0.9 typ.
Efficiency Max current 115/230V Max power rating Active Power Fuse	2.0A / 1.0A 160W 250 VA T3A 5x20	3.2A / 1.6A 240W 370 VA T4A 5x20	3.7A / 1.4A 300W 350 VA T5A 5x20	>80% 4.8A / 2.4A 490W 550 VA T8A 6.3x32	6.4A / 3.2A 650W 735 VA T10A 6.3x32	10A / 5A 980W 1100 VA T15A 6.3x32	14A / 7A 1300W 1450 VA T15A 6.3x32	18A / 9A 1900W 2100VA 2 x T15A
Output:								
Number of DC outputs (iso Max Charge	10 A ±5%	3 15 A ±5%	3 20 A ±5%	3 30 A ±5%	3 40 A ±5%	3 60 A ±10%	3 80 A ±10%	3 100 A ±10%
Charging Curve Charge selector Position "Norm." Position "Pb-Ca"	2 pc Al	I.U.Uo 3 stages os. (Normal & Pt Il types of batter ad-Calcium Batte	o-Ca) ies			Depends on (charging progran	ıme
Boost DC1 (norm) Boost DC1 (Pb-Ca) Float DC1 (norm & Pb-Ca)	14.4V 15.0V 13.8V	14.4V 15.0V 13.8V DC1-0.3V	14.4V 15.0V 13.7V			10 chargir	ng programmes	
DC2, DC3 Outputs Voltage Share Ripple	DC1-0.3V	± 2% < 1%	DC1-0.3V	0 5004	0 5004	0 5004	± 2% < 1%	4 5004
Fuse	F15A	F20A	F25A	2 x F20A	2 x F30A	3 x F30A	4 x F30A	4 x F30A
Protection								
Short Circuit fault Temperature fault Reverse polarity General failure Display Remote panel	Vi	Electronic igitherm (15A on Battery fuse Fuse LED On-Off No	ily)		excessive into faulty of Outp	ernal or battery	3	
General								
Control Operating/storage temp Humidity Electronic protection Convection EMC Security	10% to 90 Speed con	+50°C / -20°C to 0% (without cone By tropicalisation trolled cooling (r 1, EN50082-1, E EN60335-1	densation) n natural 10A)		0°C 10% t	to +50°C / -20° to 90% (without By tropicalis Forced Fan C	condensation) ation Cooling 1, EN61000-3-2	
Housing								
Construction Protection Mounting H x W x D	180x170x100	White aluminion	Wall mou	r coated treatmen IP22 nted 4 x M4 screv 270x290x120	·	330x350x120	330x350x120	330x370x170

Weight

1.5 Kg

1.5 Kg

1.5 Kg

4 Kg

4 Kg

5 Kg

5 Kg



8 Kg





DOLPHIN

24V 10A

Battery Chargers

24v 10a to 24v50a

DOLPHIN2 chargers - 24 Volts

- For truly international boats.
 - These Battery Chargers have been programmed to automatically adapt themselves (without the need for manual intervention) to monophase voltages worldwide (115V 50 or 60 Hz - 230V 50 or 60 Hz 240V 50 Hz ...).
- The 24 battery charger range is the most complete one on the international market. The range begins with the small but highly talented 24V 10A and goes all the way to the very powerful 24V 400A which is capable of equipping even the most luxurious yachts.

The larger chargers (80A plus) are described in the Superyacht section.

Thanks to the 10 charging positions, these chargers are suitable for use with all major battery types currently available on the market: Acid Free, Gel, Lead Calcium, 2V batteries...

The enormous advantage of position 8 is the possibility it offers to use the charger as a stable Power Supply unit. This allows a stable and continuous power supply needed for certain on board equipment which need to be running constantly as well as prolonging the life of items such as light



Remote Control Panel



Remote Control Panel Dolphin 2:

Suitable for the complete DOLPHIN2 range (from 12V 30A), this panel carries out the same functions as the display panel on the front of the charger.

Dimensions: 120 x 65 mm (15 mm thick). Supplied with 5m flat cable & connector.

Description	Reference	Code
Control Panel (Dolphin 2)	REMOTEBC2	299037
Accessories : Extensions (cable &	& connectors)	
5 meters	RAL5M	299077
15 meters	RAL15M	299078
Temperature Sense	or SONDE-T	299045

Charging Programmes

By internal switch for: 24V20A to 24V50A (DOLPHIN 2)

Position	U. Boost	U.Float.
0- Cycle	28.8V	26.4V
Wet or flooded electroly	te batteries	
1- Cycle	28.4V	27.2V
Sealed lead batteries/M	AXIMA	
2- Cycle	29 6V	27 6V
Lead calcium batteries	20.01	27.01
3- Cycle	30 8V	27 6V
DELPHI batteries	30.0 V	21.00
4 Cycle	31 0V	27 6V
4- Cycle OPTIMA batteries	31.00	21.0V
5- Winterisation	28.8V	26.4V
Free lead batteries		
6- Winterisation	28.4V	27.2V
Sealed lead batteries		
Gel - DELPHI - MAXIMA		
7- Cycle	28.8V	27.6V
Gel batteries		
8- Power supply	27	2\/
	27	
9- Sulphation recovery		
programme	34.0V	27.6V



Battery Chargers Charger 2 24V

Models	24V 10A	24V 20A	24V 30A	24V 50A	24V 80A	24V100A
	299772	299710	299712	299714	299716	299717
Built in alarm: Battery capacity	→ 160 Ah	→ 300 Ah	→ 500 Ah	→ 800 Ah	299539 → 800 Ah	→ 1000 Ah
Input:	7 100 AII	- 300 All	-7 300 AII	7 000 AII		→ 1000 AI
Input voltage			115V/23	0V ± 15%		230V ± 15%
Frequency Switchover 115V/230\ Cos phi Efficiency	/		50/60 H Auto 0.9	z ± 10% matic typ. 0%		NA 0.6 typ
Max current 115/230V Max Power Rating Active power Fuse	3.2A / 1.6A 300 W 350 VA T5A 5x20	6.4A / 3.2A 650 W 735 VA T10A 6.3x32	5A / 10A 980 W 1100 VA T15A 6.3x32	8A / 16A 1630 W 1850 VA T20A 6.3x32	26A / 13A 2700 W 3000 VA 2 x 20A	16A 3400 W 3800 VA 2 x 20A
Output :						
Isolated outputs	3	3	3	3	3	3
Charge selector 2 po Position "Norm."	All battery types	20 A ±5%	30 A ±10% Depends or	50 A ±10% n charging programme	80 A ±5%	100 A ±5%
Position "Pb-Ca" Le Boost DC1 (norm) Boost DC1 (Pb-Ca) Float DC1 (norm&Pb- Output DC2, DC3 Voltage share Ripple Fuse	28.8V 30.0V Ca) 27.2V DC1-0.6V ± 2% < 1% F15A	F30A	±:	programmes 2% 1% 3 x F25A	4 x F30A	4 x F30A
Protection						
Short circuit fault Temperature fault Reverse polarity General failure Display Remote panel	Electronic Vigitherm Battery fuse Fuse LED On-Off No		excessive ir faulty exteri Output over 6 L	output overload - Output nternal or battery tempera nal temperature (optional r voltage - General fault EDs anel (optional)	ature (optional)	\$ 6
General						•
Control Operating/storage Humidity Electronic protection Ventilation EMC Security	-		0°C to +50° 10% to 90% By tropic Forced fa EN50081-1	ssor based RISC technol C / -20°C to +70°C ((without condensation) calisation an cooling , EN50082-1, EN61000-3		a
Additional functions						
1/2 charge Paralleling					By switch on fi	ont of charger Yes
Housing						
Construction Protection Mounting H x W x D	200x180x100	White alu 270x290x120	· IP	oated treatment - blue pla 22 ed 4 x M4 screws 330x350x120	astic flanges 330x360x170	330x360x17(



1.5 Kg

Weight

Safe & easy installation

5.0 Kg

Thanks to a handy opening on the front of the charger, the PC Board is protected throughout the installation phase. The installer only has access to the components he needs to complete the installation or perform any modifications. All other components are protected by the housing.

5.0 Kg

8.0 Kg

8.0 Kg

Warranty

4.0 Kg

Dolphin Battery Chargers are protected by an international warranty against manufacturing faults for three years (providing they have not been used for purposes other than those intended by the manufacturers).

Battery Chargers





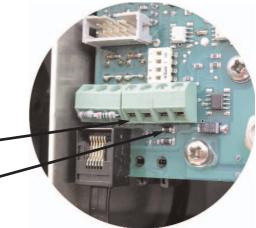
Superyachts - 24V 80A to 24V 400A

- Demand for energy on Superyachts and Super Motor Boats increases continuously as more and more appliances are adapted for use on board. In order to meet this increasing demand, Reya has produced a range of progressive chargers which allow users
- These 24V 80 Amp and 24V 100 Amp chargers can be connected in parallel giving a charge capacity in 24V of 400 Amps (for a battery bank of 4000 Ah!) maximum, with a master charger that synchronizes the activities & functions of the group of chargers.

But that's not all, on a "small power quay", the 1/2 charge function will allow the user to top up the charge (to a minimum level) thus assuring the continuing operation of the batteries.

Built in charger alarms are available

to change with their energy needs.



Detects charger fault

Low voltage alarm

Remote Control Panel



Dolphin 2

Remote Control Panel Dolphin 2 :

Suitable for the complete **DOLPHIN2** range (from 12V 30A), this panel carries out the same functions as the display panel on the front of the charger.

Dimensions: $120 \times 65 \text{ mm}$ (15 mm thick). Supplied with 5m flat cable & connector.

Description	Reference	Code
Control Panel	REMOTEBC2	299037
(Dolphin 2)		

Accessories:

Extension (cable & connectors)

5 meters : RAL5M 299077 15 meters RAL15M 299078 Temperature sensor TS2480/24100 299042 (Dolphin 24-80 & 24-100 - delivered as standard)



Superyachts

Paralleling chargers

Heavy Duty Chargers: 24V-200/300/400 Amps

This power is obtained by putting 2-3 or 4 identical chargers in parallel.

Paralleling is secured by a RS485 type connection which offers the following advantages

- Up to 4 chargers in parallel.
- Synchronisation of charging curves.
- Centralisation of status display (battery charge & faults) on the master charger.
- Centralisation of controls (manual equalisation & 1/2 charge) on the master charger.

This operation must be carried out in the factory in line with specific internal programme settings.

Most common combinations using 24V100A - see below; for other combinations, please consult us.

Dolphin Mega	Code
24V200a	299724
24V300a	299725
24V400a	299729

Connector cable Code for paralleling **299721**

Battery Chargers Olphin 2 24V

10 charging programmes

Models	24V120A	24V150A	24V160A
230VAC - 1 Phase	299718	-	299719
230VAC - 3 Phase	299795	299796	_
400VAC - 3 Phase	299728	299730	-
Battery capacity	→ 1200 Ah	→ 1500 Ah	→ 1600 Ah
Input:			
Input Voltage Frequency Switchover 115V/230V Cos phi Efficiency Max current 230VAC 400VAC Max power rating Active power Fuse	20A/ 7A (1 / 3 phase) 7A (3 phase) 4050W 4500VA 3 x 20A	See above ± 15% 50/60 Hz ± 10% NA 0.6 typ - 1 phase 0.9 typ - 3 phase >80% 9A (3 Phase) 9A (3 Phase) 5400W 6000VA 3 x 20A	27A (1 phase) - 5400W 6000VA 4 x 20A
Output:			
Isolated outputs Charging current	3 120A ±5%	3 150A ±5%	3 160A ±5%
Charging curve	Depends on charging programme		

Charge selector Position "Norm."

Position "Pb-Ca"

Boost DC1 (norm) Boost DC1 (Pb-Ca) Float DC1 (norm & Pb-Ca)

Output DC2, DC3 Voltage Share

± 2% Ripple < 1% Fuse 8 x F30A 8 x 30A

Additional functions

Paralleling Max. 2 chargers in parallel - see "Supervachts" 1/2 Charge By button on front panel- see below

Housing

White aluminium powder coated treatment - with blue plastic flanges Construction

Protection IP22

Wall mounted with 12 screws M4 Mounting

HxWxD 710x370x170 14.6kg max Weight

Protection

Short Circuit fault In case of output overload - Output short-circuit Temperature fault excessive internal or battery temperature (optional) Reverse polarity faulty external temperature (optional) -General failure Output over voltage - General fault Display 6 LEDs

Remote Panel Octopus Panel (optional)

General

Control Operating/storage Temp Humidity

Electronic protection Convection

EMC Security Microprocessor based RISC technology 0°C to +50°C / -20°C to +70°C 10% to 90% (without condensation) By tropicalisation Forced Fan Cooling EN50081-1, EN50082-1, EN61000-3-2 EN60335-1

1/2 charge

By button on front of charger

1 short press → 1/2 charge.

1 short press → reverts to normal charge.





OEM - 12V 20A & 40A Battery Chargers 3 output 115/230 VAC - 50/60 HZ

A product designed and developed with the specific needs of our OEM customers in mind, Reya is proud to present our OEM Battery Charger. We have paid special attention to the time necessary to install this charger - it's fast!

The features of this new Dolphin Battery Charger are synonymous with reliability and high efficiency and have a worldwide supported warranty and are insensitive to international differences in input voltage and frequency.

Models	20	40		
Reya Reference	299520	299540		
AC input:	4451//0201	/ / : 450/)		
voltage range frequency		115V/230V (±15%) 50/60 Hz (± 10%)		
rrequericy	30/00 112	(± 1070)		
115V/230V adjustment	Internal	Automatic		
AC consumption full loa	ad 575 VA	735 VA		
Cos phi	0.6	0.9		
Nominal battery voltage	12 Vac			
Charge current ± 5%	20 Amps	40 Amps		
Battery capacity	200 Ah	400 Ah		
Battery type setting	Lead Acid &	9 positions		
	Calcium Lead			
DC Outputs	3			
Output voltage (boost/float)				
Wet	14.4/13.6 V	14.4/13.2 V		
Calcium	15.0/13.6V	14.2/13.6 V		
Protections :				
Short-circuit	Ye	S		

Reverse polarity Yes Over-temp. Yes I FD Tricolour LED Display

Yes

Operating temperature 0°C to +50°C -20°C to +70°C Storage temperature

Humidity 10% - 90% (without condensation) Cooling Forced fan cooling

EMC standard EN 50081-1 and EN 50082-1

Safety standard EN 60335-1

Dimensions

Overload

210x135x85 305x160x105 (HxLxD mm) Weight 1.90kg 0.9kg **Enclosure** Powder coated aluminium

Multi- charging programmes

Fully automatic multi-stage charger

Can charge up to 3 battery banks simultaneously

11111

11111

Protection features:

Short-circuit protection

Over-temperature shutdown

Overload

Input protection (fuses)

Tolerant to high input voltage variations

Advanced power switching technology

Built to ABYC and UL standards

CE marked

Marine-grade construction with conform tropicalized circuit boards.

Aluminium casing with powder-coated treatment for a better corrosion resistance

ISO 9001 assembling subcontractor

3 year warranty

Charging programmes

(12v40a only by means of an internal switch)

Switch position 00 Wet or flooded electrolyte batteries

Switch position 01 Sealed lead batteries Switch position 02 Calcium-lead batteries

Switch position 03 "AC DELCO" batteries

Switch position 04 "Yellow Top" batteries

Switch position 05 Free lead batteries winterising

Switch position 06 Sealed lead batteries winterising

Switch position 07 Gel batteries

Switch position 08 Power Supply

Switch position 09 Inoperative





WATERPROOF BATTERY CHARGER



Security - emissions

Automatic Battery Charger Waterproof and shock resistant (IP65)

Nothing can damage this charger, not water, hydrocarbons or impurities. The housing is aluminium and the electronics are coated in resin.

Thermal protection

This battery charger can even be used in warmer areas of the boat like the machine room. The higher the ambient temperature, the lower the power output (60°c+) but not even this will damage the charger.

Automatic charger with 3 charging curves - IUoU

The battery is protected against all overloads and can remain permanently connected (operating in floating).

Installation

Quick & easy to install, it is suitable for indoor and outdoor use and can be positioned horizontally or vertically.

Model	12 Volts - 7 Amps	12 Volts - 17 Amps		
Code	498000	498100		
Battery capacity	18 - 80 Ah	20 - 180 Ah		
Input Input voltage Input frequency	170 - 270 VAC 40 - 60 Hz	170 - 270 VAC 40 - 60 Hz		
Output Number of outputs Output voltage Charging curve Fuse (supplied)	1 14.4 / 13.8 VDC IUoU 6.3 / 10 Amps	1 14.4 / 13.8 VDC IUoU 6.3 / 20 Amps		
Protection Short circuit Reverse polarity Femperature fault	Yes Yes (fuse) Signalled by flashing LED	Yes Yes (fuse) Signalled by flashing LED		
General Operating temperature /entilation Humidity	-30 to +55°C natural up to 100%	-30 to +55°C natural up to 100%		
/isualisation Number of LEDs LED (operation) LED (alarm)	2 (1 yellow + 1 green) Boost / floating Reverse polarity - battery voltag	3 (1 yellow +2 green) Boost / floating ge too low - high temperature		
Housing Protection level Material Colour	Aluminium	IP65 (Electronics immersed in resin) Aluminium casing Grey		
Dimensions (LxWxH) Weight	155 x 80 x 43 mm 1.1 Kg	192 x 98 x 47 mm 1.4 Kg		
Viring Gauge Battery Cable	3 x 0.75 mm² x 1.5m long - w 1 x 1.5 mm² x 1.5m long	3 x 0.75 mm² x 1.5m long - with EU rated plugs 2P+T 1 x 1.5 mm² x 1.5m long 1 x 1.25mm² x 1.5m long		
EMC				

