



Dolphin charger

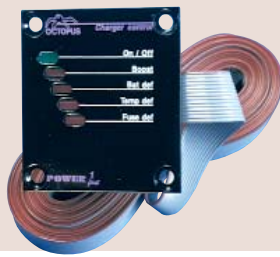


DOLPHIN 1 - DOLPH2 - 12 VOLT

Ref	Type	Characteristics	Ref	Type	Characteristics
299000	12V10A	2 Output 115/230V Manual	299700	12V10A	2 Output 115/230V Manual
299002	12V15A	2 Output 115/230V Manual	299702	12V15A	3 Output 115/230V Manual
299004	12V20A	2 Output 115/230V Manual	299715	12V20A	3 Output 115/230V Auto
299070	12V30A	3 Output 115/230V Manual	299770	12V30A	3 Output 115/230V Auto
299003	12V40A	3 Output 115/230V Manual	299703	12V40A	3 Output 115/230V Auto
299011	12V60A	3 Output 115/230V Manual	299711	12V60A	3 Output 115/230V Auto
299008	12V80A	3 Output 230V	299708	12V80A	3 Output 115/230V Auto
299508	12V80A	3 Output 115/230V Manual			

All DolphIN Battery Chargers are 50/60Hz automatic

REMOTE PANELS (OPTIONAL) For all models of DolphIN Battery Chargers



Reference: 299034
DOLPHIN 1

Reference: 299037 (from 12v30a)
DOLPH2 - 3 m cable
supplied as standard



DOLPHIN 1 - DOLPH2 - 24 VOLT

Ref	Type	Characteristics	Ref	Type	Characteristics
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
NEW			299726	24V80A	1 Output 115/230V Auto
299017	24V100A	3 Output 230V	299717	24V100A	3 Output 230V
NEW			299727	24V100A	1 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	24V60A B	3 Output 115/230V	299716	24V80A	3 Output 115/230V
299610	24V80A	3 Output 115/230V	299717	24V100A	3 Output 230V
299612	24V100A	3 Output 230V			



An easy to understand panel s
status of the charger or present
(Optional remote panel also av

All Do
Battery C
are CE

Blue plastic flanges to support and attach the charger.

Programme selector switch (Not 12V10, 15 20A or 24V10A) including winte-rizing and 6 battery types

Built in fan

Temperature sensor for battery compensation

Modern lightweight and compact design with white aluminum powder coated casing

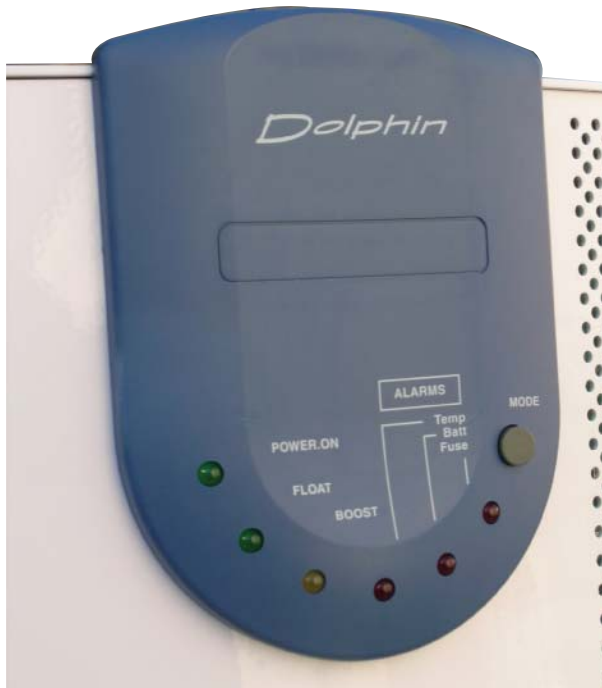
A cover that can wing greater pro installation. The the elements ne installation.

Clearly indicated access terminals cable output poi



Showing the
range of faults.
(available)

Dolphin
Chargers
marked



ISO 9002 certified
manufacturing plant

Universal AC input vol-
tage 115/230 VAC
50/60 Hz

Switch mode technology
and four-stage charging
design

Latest SMD electronic
construction technology

Internal connection for LED remote panel

LED Display for Programming &
Monitoring Functions

Main characteristics of all Dolphin Chargers.

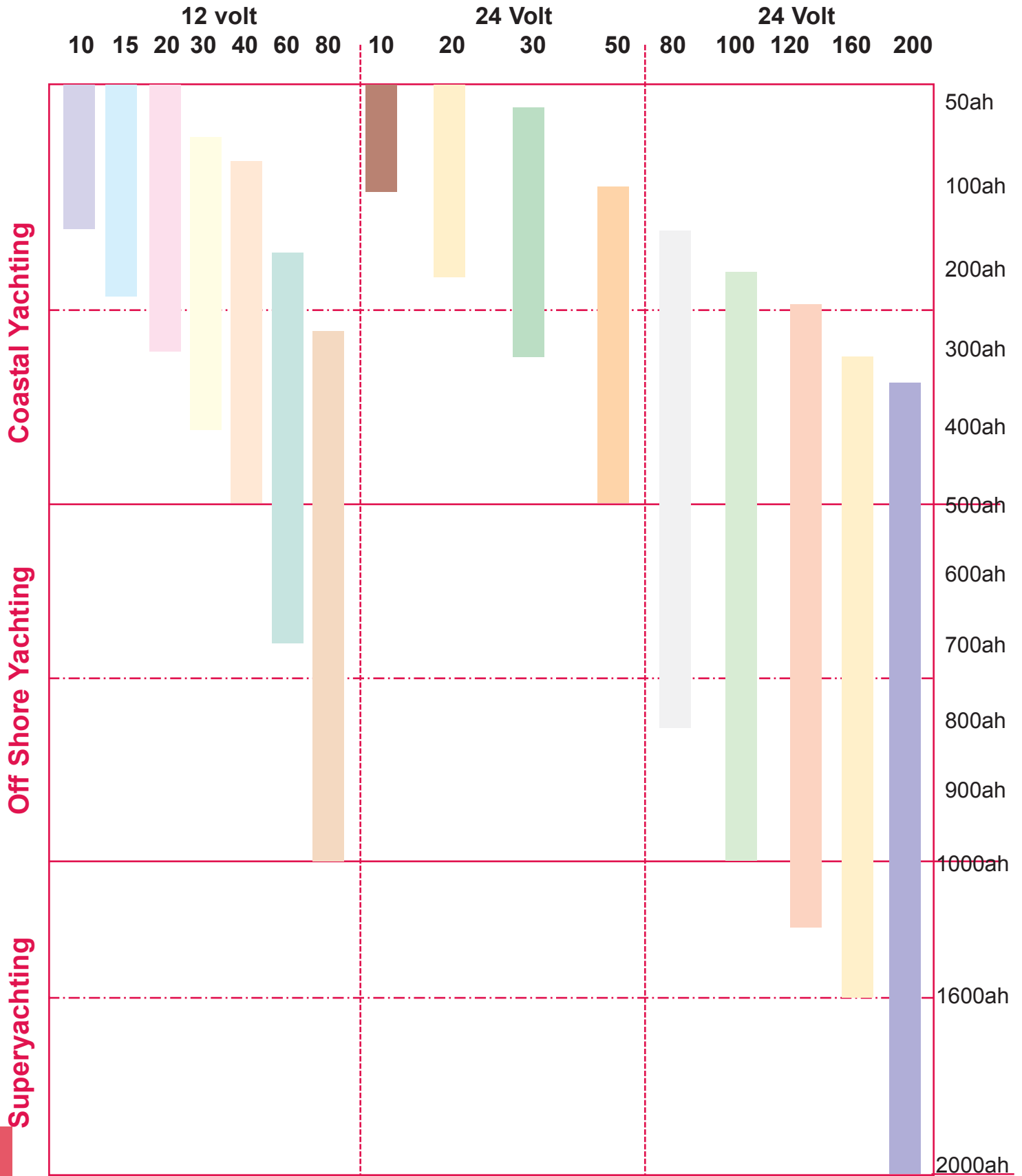
be only partially removed, allo-
cation of the PC Board during
technician only has access to
necessary to carry out a successful

3 independent DC
ports with an individual
terminal 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

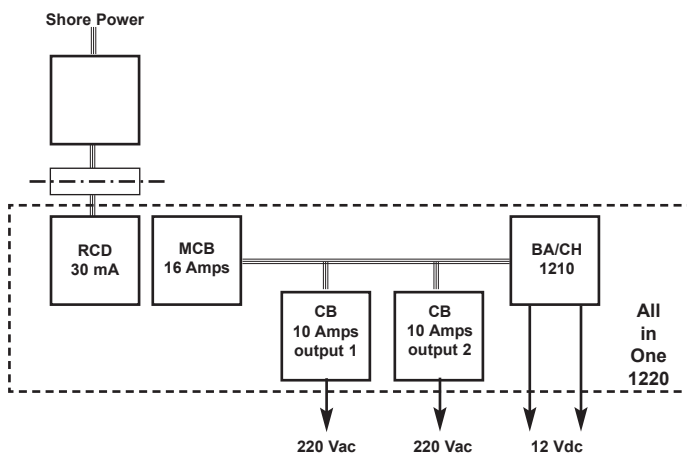


* In today's high tech world, more and more people need a compact and efficient source of electrical power on small craft. **REYA has developed an innovative "All-in-One" unit which combines an AC distribution system with a 12V switch mode battery charger**, all in the same compact box.

* **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 **4 different models**, 10amp, 15amp, 20amp and 40amp. 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	40 amp
Voltage:	12 V	12 V	12 V	12 V
Charger outputs:	2	3	3	3
Charge:	10A	15A	20A	40A
Charging characteristics:	IUoU	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
12V 40amps	ALLINONE1240	299840	3.0kg & 280x330x110mm

NEW



- **REYA is one of the largest manufacturers** of battery chargers in France and are represented on the world-wide market (in more than 20 countries) by distributors and service points in all major yachting/boating zones.
- Our new generation of battery chargers - DOLPHIN 2 - provides our customers with technologically superior products.
- These highly reliable products are guaranteed against all manufacturing defects for 3 years (12v10a & 12v15a are guaranteed for 2 years)





DOLPHIN 12V 30A

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.
- With the exception of 12V 10 & 15 Amps, there is **automatic frequency & voltage detection and switchover**.
- **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



Dolphin 2

Dolphin 1

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 (Dolphin 2)	REMOTEB2	299037
Control Panel (Dolphin 1)	REMOTEB1	299034

Accessories (for both versions):

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 electrolyte batteries	14.4V	13.2V
1- Cycle Sealed Lead batteries/ MAXIMA	14.2V	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

Safe & easy installation

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.

Warranty

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*). The 1210 & 1215 have a two year warranty against manufacturing faults.



Battery Chargers



Dolphin² charger 12V

Models	12V 10A	12V 15A	12V 20A	12V 30A	12V 40A	12V 60A	12V 80A
Codes	299700	299702	299715	299770	299703	299711	299708
Battery capacity	→ 160 Ah	→ 220 Ah	→ 300 Ah	→ 400 Ah	→ 500 Ah	→ 700 Ah	→ 1000 Ah
Input:							
Input Voltage	115V/230V ± 15%						
Frequency	50/60 Hz ± 10%						
Switchover 115V/230V	Manual	Manual	Automatic	Automatic	Automatic	Automatic	Automatic
Cos phi	0.65 typ.	0.65 typ.	0.9 typ.	0.9 typ.	0.9 typ.	0.9 typ.	0.9 typ.
Efficiency	>80%						
Max current 115/230V	2.0A / 1.0A	3.2A / 1.6A	3.7A / 1.4A	4.8A / 2.4A	6.4A / 3.2A	10A / 5A	14A / 7A
Max power rating	160W	240W	300W	490W	650W	980W	1300W
Active Power	250 VA	370 VA	350 VA	550 VA	735 VA	1100 VA	1450 VA
Fuse	T3A 5x20	T4A 5x20	T5A 5x20	T8A 6.3x32	T10A 6.3x32	T15A 6.3x32	T15A 6.3x32
Output:							
Number of DC outputs (isolated)	2	3	3	3	3	3	3
Max Charge	10 A ±5%	15 A ±5%	20 A ±5%	30 A ±5%	40 A ±5%	60 A ±10%	80 A ±10%
Charging Curve	I.U.Uo 3 stages			Depends on charging programme			
Charge selector	2 pos. (Normal & Pb-Ca)						
Position "Norm."	All types of batteries						
Position "Pb-Ca"	Lead-Calcium Batteries						
Boost DC1 (norm)	14.4V	14.4V	14.4V	10 charging programmes			
Boost DC1 (Pb-Ca)	15.0V	15.0V	15.0V				
Float DC1 (norm & Pb-Ca)	13.8V	13.8V	13.7V				
DC2, DC3 Outputs	DC1-0.3V	DC1-0.3V	DC1-0.3V				
Voltage Share	± 2%			± 2%			
Ripple	< 1%			< 1%			
Fuse	F15A	F20A	F25A	2 x F20A	2 x F30A	3 x F30A	4 x F30A
Protection							
Short Circuit fault	Electronic			In case of output overload - Output short-circuit			
Temperature fault	Vigitherm (15A only)			excessive internal or battery temperature (optional)			
Reverse polarity	Battery fuse			faulty external temperature (optional) -			
General failure	Fuse			Output overvoltage - General fault			
Display	LED On-Off			6 LEDs			
Remote panel	No			Octopus Panel (optional)			
General							
Control	-	-	-	Microprocessor based RISC technology			
Operating/storage temp	0°C to +50°C / -20°C to +70°C			0°C to +50°C / -20°C to +70°C			
Humidity	10% to 90% (without condensation)			10% to 90% (without condensation)			
Electronic protection	By tropicalisation			By tropicalisation			
Convection	Speed controlled cooling (natural 10A)			Forced Fan Cooling			
EMC	EN50081-1, EN50082-1, EN61000-3-2			EN50081-1, EN50082-1, EN61000-3-2			
Security	EN60335-1			EN60335-1			
Housing							
Construction	White aluminium with powder coated treatment - blue plastic flanges						
Protection	IP22						
Mounting	Wall mounted 4 x M4 screws						
H x W x D	180x170x100	180x170x100	200x180x100	270x290x120	270x290x120	330x350x120	330x350x120
Weight	1.5 Kg	1.5 Kg	1.5 Kg	4 Kg	4 Kg	5 Kg	5 Kg

DOLPHIN1 Battery Chargers - 12V. A number of charger models are still available in generation 1

The below battery chargers are still distributed as Dolphin1 models.

Model	Power Supply 50/60 Hz	Charge intensity	Battery capacity	Isolated outputs	Charging curve	Gel/Free setting	H x W x D mm	Weight	Code
12V 100A	230V	100 Amps	→ 1200 Ah	3	I.UoU 3 stage	yes	275 x 345 x 170	6 Kg	299007
12V 100A	230/115V strap	100 Amps	→ 1200 Ah	3	I.UoU 3 stage	yes	275 x 345 x 170	6 Kg	299510
12V 120A	230V	120 Amps	→ 1500 Ah	3	I.UoU 3 stage	yes	275 x 345 x 170	6 Kg	299009
12V 120A	230/115V strap	120 Amps	→ 1500 Ah	3	I.UoU 3 stage	yes	275 x 345 x 170	6 Kg	299522



24V 10A - 24V 50A

DOLPHIN 24V 50A

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...

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 x 65 mm (15 mm thick).

Supplied with 5m flat cable & connector.

Description	Reference	Code
Control Panel (Dolphin 2)	REMOTEBC2	299037

Accessories (for both versions):

Extensions (cable & connectors)		
5 meters	RAL5M	299077
15 meters	RAL15M	299078
Temperature Sensor	SONDE-T	299045

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 bulbs.

Charging Programmes

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

Position	U. Boost	U.Float.
0- Cycle Wet or flooded electrolyte batteries	28.8V	26.4V
1- Cycle Sealed lead batteries/MAXIMA	28.4V	27.2V
2- Cycle Lead calcium batteries	29.6V	27.6V
3- Cycle DELPHI batteries	30.8V	27.6V
4- Cycle OPTIMA batteries	31.0V	27.6V
5- Winterisation Free lead batteries	28.8V	26.4V
6- Winterisation Sealed lead batteries Gel - DELPHI - MAXIMA	28.4V	27.2V
7- Cycle Gel batteries	28.8V	27.6V
8- Power supply		27.2V
9- Sulphation recovery programme	34.0V	27.6V

Battery Chargers



Dolphin² charger 24V

Models	24V 10A	24V 20A	24V 30A	24V 50A
Codes	299772	299710	299712	299714
Battery capacity	→ 160 Ah	→ 300 Ah	→ 500 Ah	→ 800 Ah
Input:				
Input voltage	115V/230V ± 15%			
Frequency	50/60 Hz ± 10%			
Switchover 115V/230V	Automatic			
Cos phi	0.9 typ.			
Efficiency	>80%			
Max current 115/230V	3.2A / 1.6A	6.4A / 3.2A	5A / 10A	8A / 16A
Max Power Rating	300 W	650 W	980 W	1630 W
Active power	350 VA	735 VA	1100 VA	1850 VA
Fuse	T5A 5x20	T10A 6.3x32	T15A 6.3x32	T20A 6.3x32
Output :				
Number of outputs (isolated)	3	3	3	3
Charging current	10 A ±5%	20 A ±5%	30 A ±10%	50 A ±10%
Charging curve	I.U.Uo (3 stages)	Depends on charging programme		
Charge selector	2 pos. (Norm. & Pb-Ca)			
Position "Norm."	All battery types			
Position "Pb-Ca"	Lead calcium battery			
Boost DC1 (norm)	28.8V	10 charging programmes		
Boost DC1 (Pb-Ca)	30.0V			
Float DC1 (norm & Pb-Ca)	27.2V			
Output DC2, DC3	DC1-0.6V			
Voltage share	± 2%	± 2%		
Ripple	< 1%	< 1%		
Fuse	F15A	F30A	2 x F25A 3 x F25A	
Protection				
Short circuit fault	Electronic	In case of output overload - Output short-circuit		
Temperature fault	Vigitherm	excessive internal or battery temperature (optional)		
Reverse polarity	Battery fuse	faulty external temperature (optional) -		
General failure	Fuse	Output over voltage - General fault		
Display	LED On-Off	6 LEDs		
Remote panel	No	Octopus Panel (optional)		
General				
Control	-	Microprocessor based RISC technology		
Operating/storage temp	0°C to +50°C / -20°C to +70°C	0°C to +50°C / -20°C to +70°C		
Humidity	10% to 90% (without condensation)	10% to 90% (without condensation)		
Electronic protection	By tropicalisation	By tropicalisation		
Convection	Speed controlled cooling (natural 10A)	Forced fan cooling		
EMC	EN50081-1, EN50082-1, EN61000-3-2	EN50081-1, EN50082-1, EN61000-3-2		
Security	EN60335-1	EN60335-1		
Housing				
Construction	White aluminium with powder coated treatment - Flanges blue plastic			
Protection	IP22			
Mounting	Wall mounted 4 x M4 screws			
H x W x D	200x180x100	270x290x120	330x350x120	330x350x120
Weight	1.5 Kg	4.0 Kg	5.0 Kg	5.0 Kg



Safe & easy installation

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.

Warranty

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).

Superyacht Range 24 V (Battery capacity 1400 Ah)
 please see following pages →



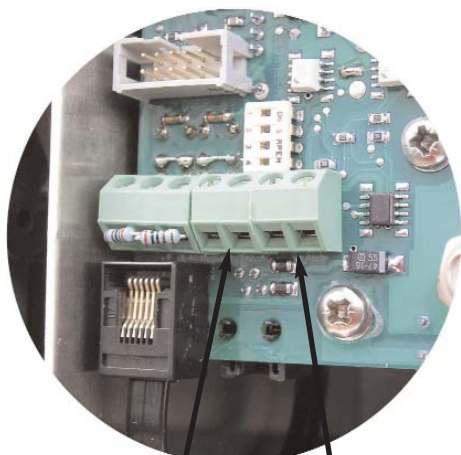
**DOLPHIN
24V 100A**

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 to change with their energy needs.
- 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



Detects charger fault

Low voltage alarm

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)	REMOTEB2	299037
Control Panel (Dolphin 1)	REMOTEB1	299034

Accessories:

Extension (cable & connectors)		
5 meters :	RAL5M	299077
15 meters	RAL15M	299078
Temperature sensor (Dolphin 1)	SONDE-T	299045
Temperature sensor (Dolphin 24-80 & 24-100 - included)	TS2480/24100	299042



Dolphin 2



Dolphin 1

Safe and easy installation

Thanks to a handy opening on the front of the charger, its 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.

Warranty

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



Dolphin² charger 24V

Superyachts

Models	24V 80A	24V 100A
3 Outputs:	299716	299717
1 Output:	299726	299727
Built in alarm:	299529	-
Battery capacity	→ 1000 Ah	→ 1400 Ah
Input:		
Input Voltage	115V/230V ± 15%	230V ± 15%
Frequency	50/60 Hz ± 10%	
Switchover 115V/230V	Automatic	NA
Cos phi	0.9 typ.	
Efficiency	>80%	
Max current 115/230V	26A / 13A	33A / 16A
Max power rating	2700 W	3400 W
Active power	3000 VA	3800 VA
Fuse	2 x 20A	2 x 20A
Output:		
Number of outputs (isolated)	1 or 3	1 or 3
Charging current	80 A ±5%	100 A ±5%
Charging curve	Depends on charging programme	
Charge selector	Depends on charging programme	
Position "Norm."	Depends on charging programme	
Position "Pb-Ca"	10 charging programmes	
Boost DC1 (norm)	Depends on charging programme	
Boost DC1 (Pb-Ca)	Depends on charging programme	
Float DC1 (norm & Pb-Ca)	Depends on charging programme	
Output DC2, DC3	Depends on charging programme	
Voltage Share	± 2%	
Ripple	< 1%	
Fuse	4 x F30A	

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

Additional functions	
1/2 charge	By switch on front of charger
Paralleling	Up to 4 chargers in parallel

Housing	
Construction	White aluminium powder coated treatment - blue plastic flanges
Protection	IP22
Mounting	Wall mounted M4 screws
H x W x D	330x360x170
Weight	8.0 Kg

Charging Programmes

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

Position	U. Boost	U.Float.
0- Cycle Wet or flooded electrolyte batteries	28.8V	26.4V
1- Cycle Sealed Lead batteries/MAXIMA	28.4V	27.2V
2- Cycle Lead Calcium batteries	29.6V	27.6V
3- Cycle DELPHI batteries	30.8V	27.6V
4- Cycle OPTIMA batteries	30.8V	27.6V
5- Winterisation Free lead batteries	28.8V	26.4V
6- Winterisation Sealed Lead batteries Gel - DELPHI - MAXIMA	28.4V	27.2V
7- Cycle Gel batteries	28.8V	27.6V
8- Power Supply		27.6V
9- Sulphation recovery Programme	34.0V	27.6V

1/2 charge

By Switch on front of charger

1 short press → 1/2 charge.

1 short press → reverts to normal charge.

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.

Dolphin Mega

	Code
24V200a	299724
24V300a	299725
24V400a	299729

Connector cable

	Code
for paralleling	299079

DOLPHIN1 Battery Chargers - 24V. A number of charger models are still available in generation 1

The below battery chargers are still distributed as Dolphin1 models:

Model	Power Supply 50/60 Hz	Charge intensity	Battery capacity	Isolated outputs	Charging curve	Gel/Free setting	H x W x D mm	Weight	Code
24V 120A	230V	120 Amps	→ 1600 Ah	3	I.UoU 3 stages	Yes	630 x 340 x 170 mm	11 Kg	299018
24V 120A *	380V	120 Amps	→ 1600 Ah	3	I.UoU 3 stages	Yes	630 x 340 x 170 mm	11 Kg	299243
24V 150A *	380V	150 Amps	→ 2000 Ah	3	I.UoU 3 stages	Yes	630 x 340 x 170 mm	13 Kg	299046
24V 160A	230V	160 Amps	→ 2000 Ah	3	I.UoU 3 stages	Yes	630 x 340 x 170 mm	13 Kg	299019

* 3 Phase

OEM - 12V 20A & 40A Battery Chargers 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:		
voltage range	115V/230V (±15%)	
frequency	50/60 Hz (± 10%)	
115V/230V adjustment	Internal	Automatic
AC consumption full load	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 & Calcium Lead	9 positions
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		Yes
Overload		Yes
Reverse polarity		Yes
Over-temp.		Yes
Display	LED	Tricolour LED
Operating temperature	0°C to +50°C	
Storage temperature	-20°C to +70°C	
Humidity	10% - 90% (without condensation)	
Cooling	Forced fan cooling	
EMC standard	EN 50081-1 and EN 50082-1	
Safety standard	EN 60335-1	
Dimensions (HxLxD mm)	210x135x85	305x160x105
Weight	0.9kg	1.90kg
Enclosure	Powder coated aluminium	

Multi- charging programmes

Fully automatic multi-stage charger

Can charge up to 3 battery banks simultaneously

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

Dolphin
charger