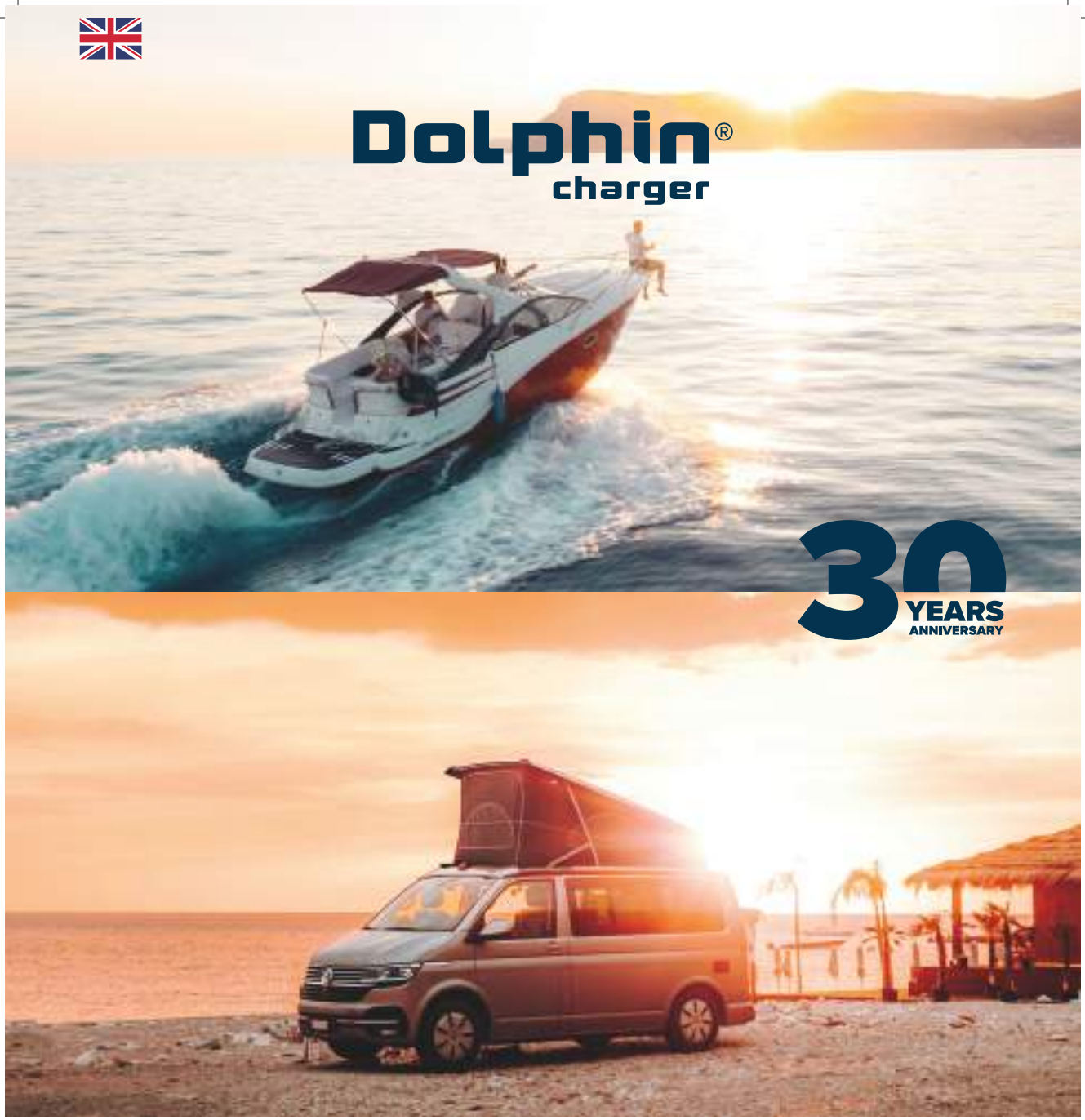
Dolphin®
charger



30 YEARS
ANNIVERSARY

Power Products

2025

Power onboard since 1995

At Dolphin Charger, based in the heart of the French Alps, we design, manufacture, and distribute a complete range of robust and intelligent power-conversion products and solutions for all types of boats. Our products include **AC/DC battery chargers, DC/DC boosters, batteries, battery monitors and accessories.**

Since 1995, tens of thousands of boat owners, sailors, and maritime professionals have enjoyed the quality of Dolphin products.

Our products are designed to operate in harsh environments with salt spray, humidity, and vibrations. They are compact, efficient, smart, and open, fitting seamlessly into any onboard system using the most common protocols, including CAN and Bluetooth. For marine applications requiring specific type approval, we also offer DNV-certified battery chargers. DNV is widely regarded as the best certification available in the marine market.

In 2019, we launched a range of innovative DC/DC converters for the leisure and special vehicle markets. Thanks to smart innovations protected by European patents, many manufacturers now trust us. These products can be found in this catalogue.

We operate in over 35 countries through a growing network of B2B and B2C distributors.

Want to find your local distributor?
Simply visit www.dolphin-charger.com/network

Our product ranges are ideal for charging all type of batteries and power conversion applications in the 10 to 100 ampere range for the pleasure marine and commercial markets. Since 2019, our range has been complemented by products specifically designed for the recreational and special vehicles markets, including dc/dc booster and dedicated AC battery charger

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RECREATIONAL VEHICLE			
Double output DC/DC Smart Booster	12V	25A+18A, 40A+18A	20-21
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PROLITE 12.25 IP22 NEW	12V	25A	25

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MONITORING

DOLPHIN CONNECT APP			27
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Newcomers in the Dolphin Family

The Dolphin family of power conversion products is constantly evolving and expanding, thanks to the work of our engineers and technicians in charge of product development. In 2025 we're launching a new range of ultra-innovative chargers, a new DC/DC booster and certified chargers for the RV's market.
Here's the list of newcomers:

Product Name		Ref	Availability	Pages
PROLITE 12.40 IP21_AFM	12V 40A	399730	2025 Q2/Q3	8
PROLITE 12.40 IP55_STD	12V 40A	399735	2025 Q2/Q3	9
PRO EVO3 12.90	12V 90A	399454	2025 Q1	14-15
PRO EVO3 24.40	24V 40A	399474	2025 Q1	14-15
PRO EVO3 24.60	24V 60A	399464	2025 Q1	14-15
PRO EVO3 24.100	24V 100A	399484	2025 Q1	14-15
BOOSTER MINI	12V 20A+18A	399240	2025 Q1	24
PROLITE 12.25 IP22_AFM	12V 25A	399727	2025 Q1	25

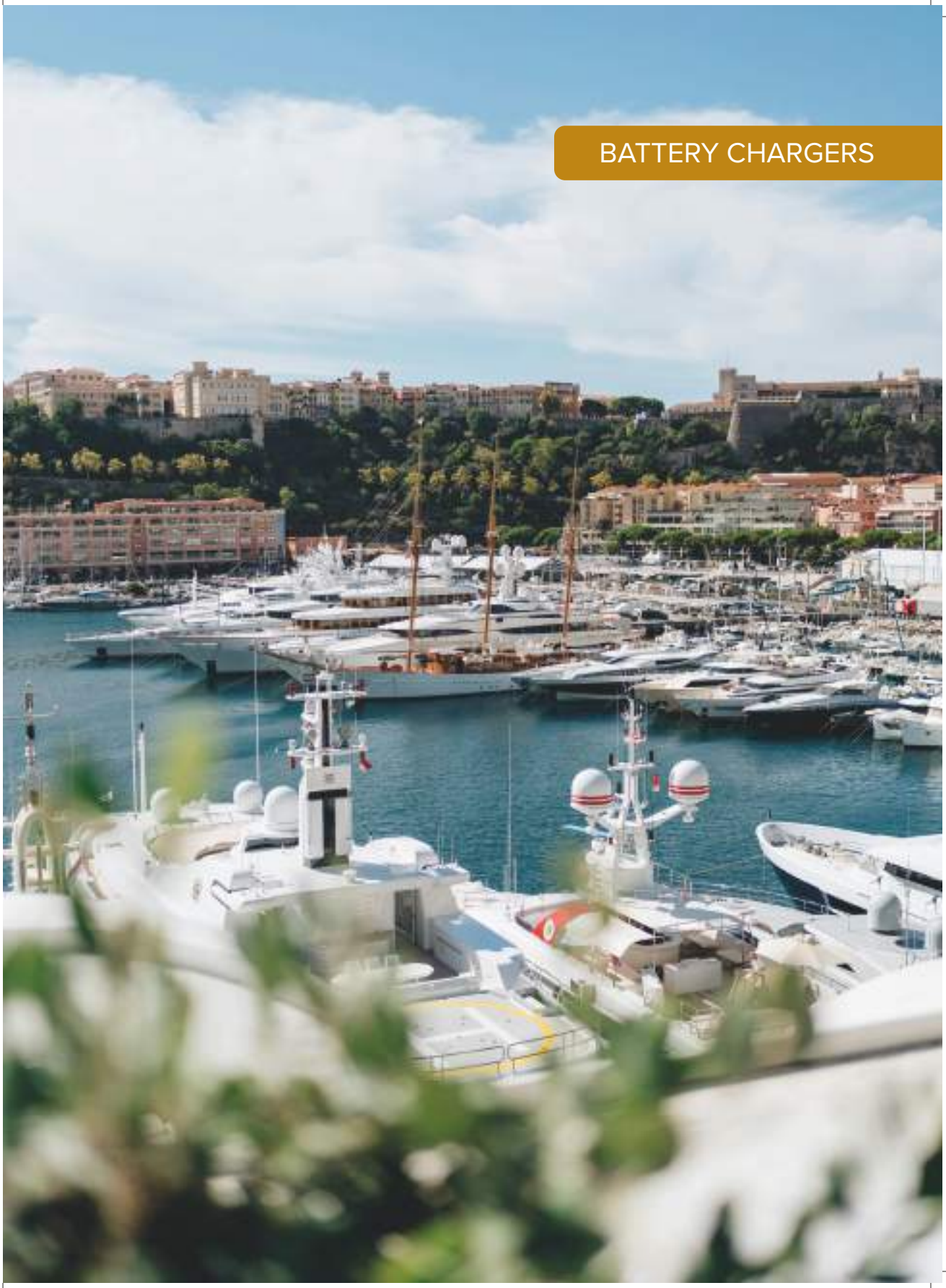
Alain Pontille's Commitment

Sustainable innovation is part of Dolphin Charger's DNA. Founded at the end of 1995, the company began by manufacturing battery chargers for the boating industry before diversifying into custom electronics for OEM customers. In 2016, we joined the 8-Lakes group, which enabled us to provide financial guarantees to our key accounts and create business synergies, both in France and abroad.

Our goal is to be the electronics partner that combines technical expertise, social responsibility, and sustainability. This approach aims not only to preserve the environment but also to ensure the long-term future of our company. We apply eco-design concepts to our products and support our customers in adopting these practices.

I would like to reiterate our commitment to innovation, quality, and environmental responsibility. We also want to thank all our customers and partners for their trust and continued support.

BATTERY CHARGERS



PROLITE IP65 Series

In 2020 we launched the new ProLite range for the outboard motorboat market. These waterproof chargers feature new, more efficient electronics, making the fan a thing of the past. To facilitate installation, the chargers also come with all the necessary cables for mains and battery wiring including water-proof fuse-holders. The range includes a 12v15a dual output charger and a 12v25a triple output charger. Finally, thanks to their ISO 8846 certification, the products can be installed without any constraints.

MAIN ASSETS

The most complete on the market

The PROLITE Series offers the most complete technical specifications on the market: this Series is smart (bluetooth interface) efficient, compact, fan-less/silent, ignition-protected (ISO 8846) as well as water-resistant (IP65).
What else could you need?

Water-resistant

PROLITE is a no-brainer for all outboard activities: It is totally dust-tight and protected against low pressure water jets

Super-compact (and light)

PROLITE is 40% smaller than its predecessor and most of its competitors. It is also 50% lighter (1 Kg/2.2lb only for our IP44 version): PROLITE is the perfect charger for small spaces

Ignition-Protected

PROLITE is protected against ignition of flammable gases (ISO 8846 Certification) which makes it ideal in combination with outboard gasoline engines

Top-Notch Efficiency

Our engineers have created one of the most efficient chargers on the market: 100% of the power which comes in is converted and comes out (without heat) through 2 outputs (15A version) or 3 outputs (25A version)

Silent

PROLITE is a fan-less charger which makes it perfectly silent. PROLITE is therefore perfect for mounting anywhere into small (living) spaces onboard sailboats, etc.

Smart

PROLITE chargers feature a Bluetooth interface as standard equipment. Thanks to the brand new DolphinConnect App, you will be able to monitor the charger's performances

100% compatible

PROLITE chargers will of course work with most common battery on the market including Lithium LFP

Pre-wired

All models are pre-wired including in-line fuses for an easy installation

4 different models available

PROLITE 12.15 IP65	2 out	12V	15A	230V	142 x 195 x 72,5 mm	1,4 kg	**399710**
PROLITE 12.15 IP65	2 out	12V	15A	115V NEMA 5-15P plug	142 x 195 x 72,5 mm	1,4 kg	**399715**
PROLITE 12.25 IP65	3 out	12V	25A	115/230V	142 x 244 x 72,5 mm	1,7 kg	**399720**
PROLITE 12.25 IP65	3 out	12V	25A	115/230V NEMA 5-15P plug	142 x 244 x 72,5 mm	1,7 kg	**399725**

See our IP22 model page 25

PROLITE 12.40 IP55 & IP21 NEW

Following the launch of the Dolphin ProLite chargers end of 2019 (15A double output and 25A triple output) the 40A model is now available in 2 new versions IP21 and IP55. Fitted with 4 independent outputs, fanless design, industrial connectors, CAN Bus communication port, and high-performance electronics, it will meet all your requirements.

IP55 MAIN ASSETS

4 outputs
Perfect for triple engine & house battery bank or twin engine & house and auxiliary battery bank

Fanless design
Silent operation, no moving parts, suitable for harsh environments

Lithium ready
4 charging profile are available including standard lead-acid, Gel/AGM, Lead-calcium and lithium LFP

Ignition-Protected
PROLITE is protected against ignition of flammable gases (ISO 8846 Certification) which makes it ideal in combination with outboard gasoline engines

Pre-wired
Time and resource savings during installation, 1.8 meter DC cables with in-line 50A removeable fuse and ring terminal

LiFePo4 | Silent | Bluetooth | IP55 | AC100-240V | Ignition protected | 4 out

1 model available

PROLITE 12.40 IP55_STD	4 out	12V	40A	115/230V	279 x 103 x 200 mm	4,9 kg	**399735**

IP21 MAIN ASSETS

4 outputs

Perfect for triple engine & house battery bank or twin engine & house and auxiliary battery bank

Fanless design

Silent operation, no moving parts, suitable for harsh environments

Lithium ready

4 charging profile are available including standard lead-acid, Gel/AGM, Lead-calcium and lithium LFP

Industrial connectors

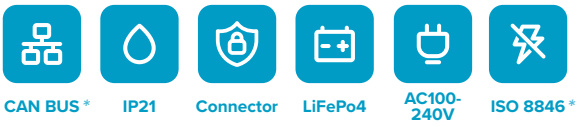
High-strength connectors for increased reliability, saving wiring costs, risk of contamination removed and smaller margin for error

LiFePo4 | Silent | CAN BUS | IP21 | AC100-240V | Connector | 4 out

1 model available

PROLITE 12.40 IP21_AFM	4 out	12V	40A	115/230V	279 x 103 x 200 mm	3,4 kg	**399730**

PREMIUM Series



An historic product range with power ratings from 10 amp to 60 amp, PREMIUM products have sold tens of thousands of units worldwide. This range is aimed at yachtsmen and shipyards looking for a simple, robust product. They are fitted with industrial connectors to ensure reliability over time.

MAIN ASSETS

Ultra-strong connectors

DOLPHIN PREMIUM chargers feature rock-solid, industrial-type (anti-vibration) connectors and super-easy “plug-and-play” wiring

Super-safe and reliable

DOLPHIN PREMIUM chargers deliver full power (no derating) even at high temperatures (up to 50°C/122°F). They come in a very robust and compact casing

100% compatible

DOLPHIN PREMIUM chargers will work with any battery on the market. 4 charging profile are available Lead Acid, Gel, AGM and LFP (lithium iron phosphate)

Ignition Protected

DOLPHIN PREMIUM 12.60 is now ISO 8846 certified. It can be installed in any area.

Microprocessor controlled for multi-stage charging technology

Automatic weekly battery equalization for longer battery life

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

** depending on model*

7 versions disponibles

PREMIUM 12.10	12V	10A	230V	96 x 120 x 238 mm	1,3 kg	**399000**
PREMIUM 12.15	12V	15A	230V	96 x 120 x 238 mm	1,3 kg	**399010**
PREMIUM 12.25	12V	25A	115/230V	96 x 120 x 354 mm	1.9 kg	**399020**
PREMIUM 12.40	12V	40A	115/230V	96 x 120 x 354 mm	1.9 kg	**399030**
PREMIUM 12.60	12V	60A IP	115/230V + CANbus	274 x 240 x 107 mm	3,1 kg	**399050**
PREMIUM 24.20	24V	20A	115/230V	96 x 120 x 354 mm	1.9 kg	**399040**
PREMIUM 24.30	24V	30A	115/230V + CANbus	274 x 240 x 107 mm	3,1 kg	**399060**

Accessories and options available for DOLPHIN PREMIUM Series

CONNECTORS for PREMIUM Battery Chargers	**399034**

PRO HD+ Series

CAN BUS | LiFePo4 | AC100-240V

The Dolphin PRO HD+ charger range is designed for professional applications requiring a product recognized and certified by an internationally renowned certification body. The range includes 2 ratings in 24 volts with 60 amp and 100 amp power. Tens of thousands of commercial and military boats are equipped with these products.

MAIN ASSETS

User Friendly & connected

All our PRO HD+ chargers feature a color touchscreen for intuitive user interaction directly on the front panel. In addition, a CAN interface enables simplified integration with the boat's monitoring systems

Robust

With their tropicalized electronics and anti-corrosion aluminum case, our PRO HD+ chargers are perfectly suited to intensive use in harsh environments. Even under the toughest mechanical and vibratory conditions, the charger continues to perform at its best.

DNV Certified

To achieve DNV's approval, Dolphin PRO HD+ charger was tested by international recognised laboratories in accordance with the standard set out by IEC 60335-1 & IEC 60335-2-29, low temperature & vibration tests in accordance to SfC No. 2.4 Class A, Humidity / Damp heat tests in accordance with SfC No. 2.4 Class A.

Ultra-Efficient

PRO HD+ 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

Safe&Transparent

All PRO HD+ Chargers feature an integrated Control Panel which displays the charging curve and will warn you of any alarms (temperature, voltage, fuses issues)

3 different models available

PRO HD+ 24.60	3 out	24V	60A	115/230V	128 x 346 x 358 mm	6,0 kg	**399475**
PRO HD+ 24.100	3 out	24V	100A	230V	196 x 346 x 358 mm	11,5 kg	**399485**

Option available for DOLPHIN PRO HD+ Series

TOUCHVIEW Display	**399033**

PRO Evo3 Series NEW

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

MAIN ASSETS

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 24V 100A 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

NMEA 2000

NMEA 2000 plug & play communication skills. All PRO EVO3 chargers feature CAN communication port including certified N2K port with latest PGEN (under process)

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. It can be installed in any area.

L'EUROPE S'ENGAGE en région Auvergne-Rhône-Alpes avec le FEDER

This project is co-financed by the European Regional Development Fund

** depending on model*

4 different models available

PRO EVO3 12.90	4 out	12V	90A	115/230V	360 x 285 x 125 mm	3,5 kg	**399454**
PRO EVO3 24.40	4 out	24V	40A	115/230V	360 x 285 x 125 mm	3,5 kg	**399474**
PRO EVO3 24.60	4 out	24V	60A	115/230V	360 x 285 x 125 mm	3,5 kg	**399464**
PRO EVO3 24.100	4 out	24V	100A	230V	360 x 285 x 125 mm	3,9 kg	**399484**

DC/DC BOOSTER Series

LiFePo4 CAN BUS

More and more electric systems are equipped with batteries of different voltages, so the question of recharging during navigation is becoming crucial. In fact, the output voltage of the alternators fitted to the engines is not variable, the solution is to install a dc/dc charger or booster. Our range includes 3 models for charging batteries of 24 volts, 48 volts. 4 Battery profiles are available including Lithium Iron Phosphate. A standard CAN Bus port is now available for an easy monitoring system.

MAIN ASSETS

Genuine DC/DC chargers

DOLPHIN Booster devices are designed to charge a 24V or 48V auxiliary battery from a single 12V battery bank or 24V battery bank

Small is beautiful

Our engineers have made it compact. The BOOSTER is only half the size of a conventional charger of equivalent power!

Smart charging

Dolphin boosters are true battery chargers featuring an advanced and unique 4-stage charging program based on battery specification (Lead, Gel, AGM,Lithium, LifeSO4)

BOOSTER units include automatic protection against battery source drainage

3 different models available

BOOSTER CAN DC/DC	12/24V	30A	240 x 140 x 100 mm	2 kg	**399211**
BOOSTER CAN DC/DC	24/24V	30A	240 x 140 x 100 mm	2 kg	**399212**
BOOSTER CAN DC/DC	24/48V	15A	240 x 140 x 100 mm	2 kg	**399213**

ALL-IN-ONE Series

Connector | Silent | LiFePo4 | AC100-240V | Bluetooth

A concept always at the forefront: the concept of the ALL IN ONE energy box was born many years ago in cooperation with a renowned manufacturer. The aim was to make assembly easier and installation more secure.This fourth generation integrates the power electronics of the ProLite 12v25a charger. It's totally silent, so you can install it even under a bed.

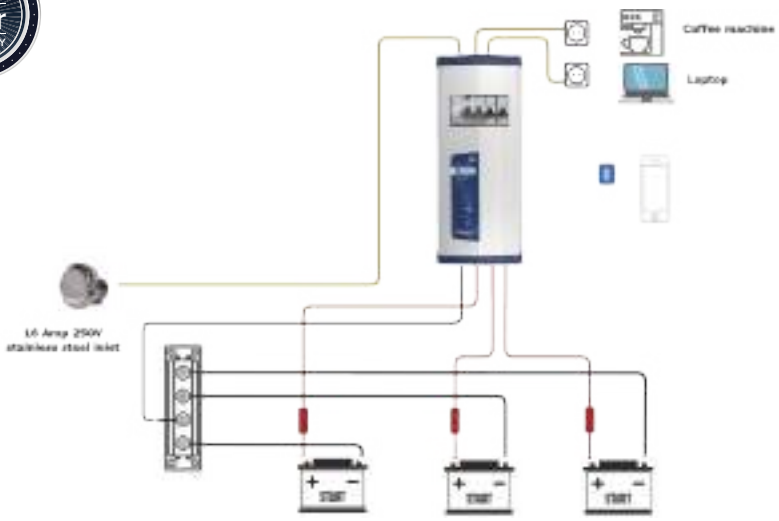
MAIN ASSETS

Powerfull

A fan-less ProLite 12v25a battery charger under the hood with 3 independent outputs, 4 charging profiles including lithium and a Bluetooth connection.

Pre-wired AC Panel

An integrated 230v distribution panel with 2 x 10Amp AC outputs and RCCB 30mA / 16Amp in accordance with small crafts - electrical ISO13297 standard.



1 model available

ALL-IN-ONE PREMIUM	3 out	12V	25A	372 x 142 x 82 mm	2,2 kg	**399125**

Cats Power Design: Excellence and Responsibility at the Heart of Innovation

Our Goal: To be our customers' electronics partner, combining technical expertise, social responsibility and sustainable growth.

Our employees embody the values that are essential to our company as our customers' partners: **Creativity, Commitment and Respect**

These values are closely linked to our responsibility towards the environment and the planet. Creativity enables us to find innovative solutions for sustainable environmental governance. Our commitment to preserving nature is fundamental to ensuring the resilience of our world.

Our CSR Vision, in harmony with our Group, is orchestrated around selected objectives:

The Environment for the Planet

Process: Controlling and reducing our energy consumption and GHG emissions

Product life : Limiting our carbon footprint through thoughtful eco-design and industrialization.

Social responsibility for people

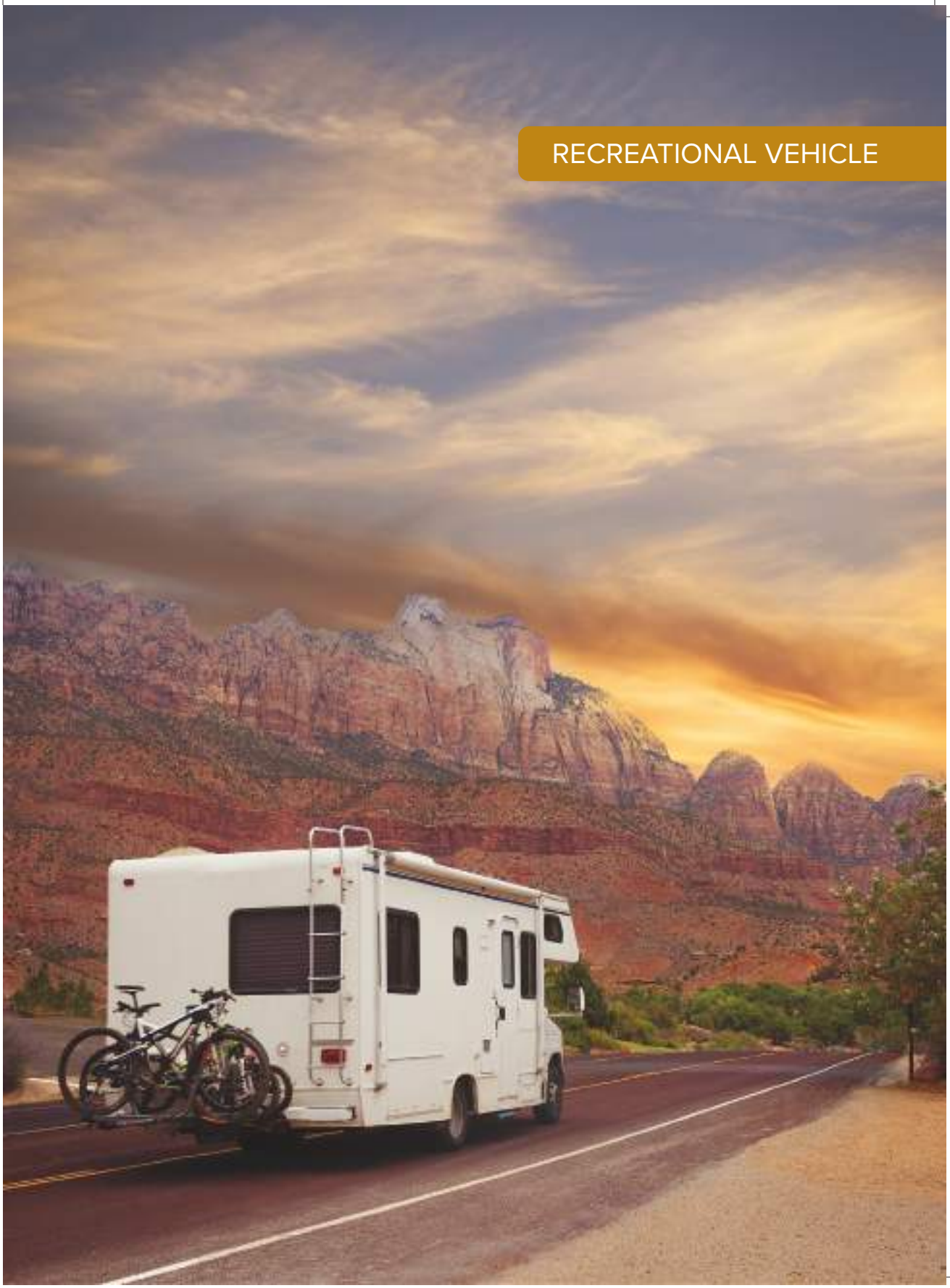
Team: Ensure employee health & safety and organizational efficiency

Partners: Deploy a responsible purchasing policy and participate in social struggles

Governance for Sustainable Growth

Societal: Be an actor of sustainable commitment and exemplary code of conduct

Customer Focus: Formulating a strategy with value propositions and a customer-oriented Quality policy


RECREATIONAL VEHICLE

Double output DC/DC Smart Booster

Connector | LiFePo4 | ECE R10 | Silent *

DC/DC boosters are becoming standard equipment on recreational and special vehicles. With the widespread use of intelligent alternators linked to the Euro 6 and 7 standards, they have become indispensable for charging the on-board battery. Since 2020 Dolphin Charger has been offering a range of innovative products which have already proved their worth with thousands of vehicles equipped.

MAIN ASSETS

Boost your charge

Thanks to an innovative dual-output concept, our devices are able to devote 100% of the available energy to charging the on-board battery. A separate output is dedicated to powering the fridge, for example.

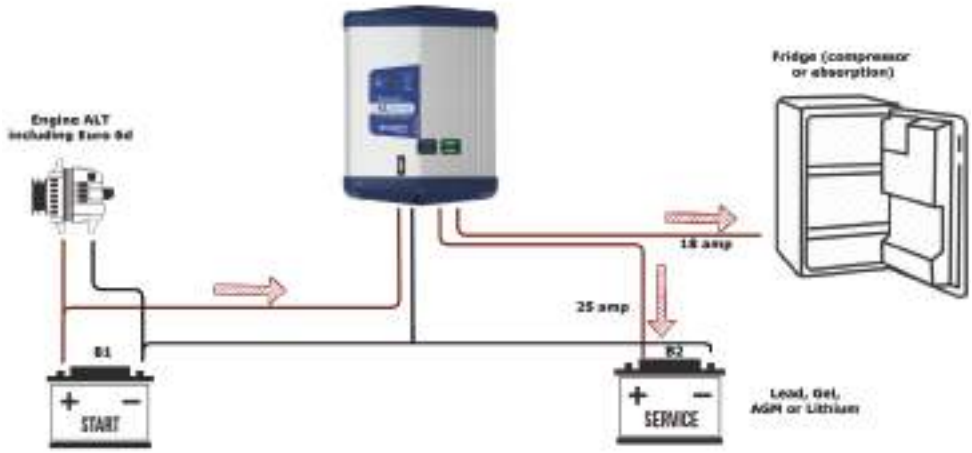
Boost your manufacturing process

Thanks to robust industrial connectors and integrated fuse protection, you'll eliminate the risk of errors on the assembly line and extend the life of your installations.

Boost your stock management

Our products feature several charging profiles, including lithium LPF, which can be easily selected by the installer or end-user. A single stocked reference covers all needs. No need to change devices as the vehicle evolves.

** depending on model*



2 different models available

DC/DC Smart Booster	12V	25A+18A	200 x 142 x 73 mm	1,1 kg	**399233**
DC/DC Smart Booster	12V	40A+18A	200 x 142 x 73 mm	1,1 kg	**399235**

Integral DC/DC 25+18/15/250

LiFePo4 | Silent | ECE R10 | Bluetooth

Designed with OEM's requirement and using the latest technology, Integral is a new innovation from Dolphin Charger. A compact power box unit that combines 3 power functions in one box:

- 220 volts 15 amp dual output battery charger
- 25 amp + 18 amp DC/DC double output booster
- 250 watts MPPT charge controller

MAIN ASSETS

All-In-One

A unique power compact box including a DC/DC Booster, a MPPT solar regulator and a AC battery charger. Designed with latest high efficiency fan less electronics

Boost your charge

Thanks to a unique **double output**, you will boost your charge capacity for your service battery and power supply your fridge or heater at the same time!

Boost your manufacturing process

Thanks to industrial « Plug-and-Play » connectors and built-in fuses protection it helps you to reduce installation time, help operator to avoid mistakes and increase reliability!

Boost your stock management

Our unique product is compatible with most of battery technologies (lead acid, AGM, GEL and lithium LFP)

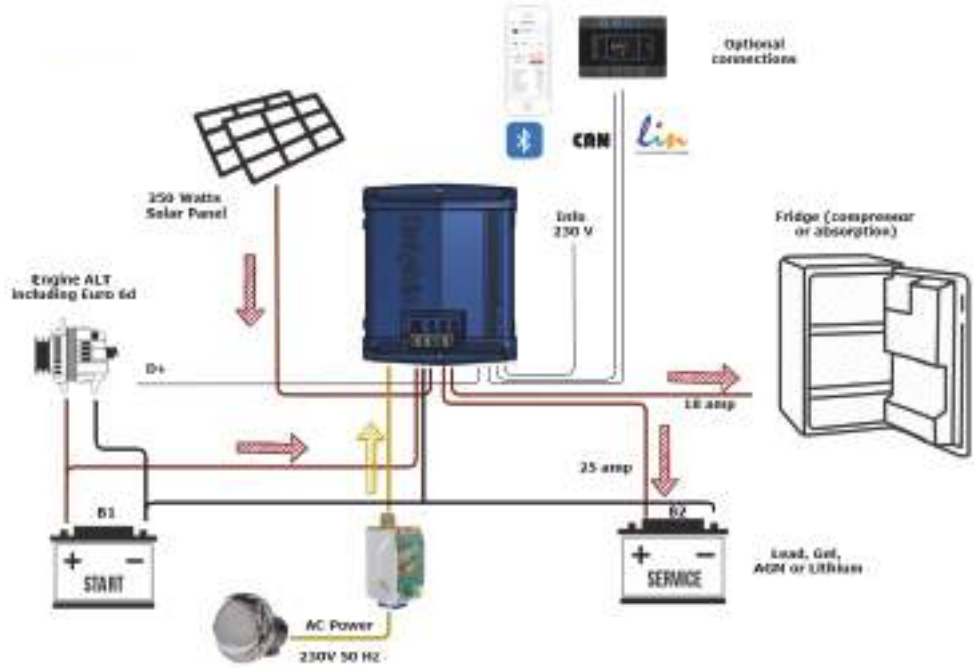
Save space and weight

Thanks to its small size and light weight INTEGRAL will improve your installations and save space - a double smart mounting system is provided as standard in order to optimize the assembly time

Bluetooth

After-market version is supplied with Bluetooth and a free App. All charging info are available from it. INTEGRAL can be supply with an optional canbus or LIN port for OEM's

FR1914691 European Patent Office



1 model available

INTEGRAL DC/DC 25+18/15/250	12V	25A+18A	203 x 174 x 67 mm	0,9 kg	**399237**

BOOSTER Mini NEW

LiFePo4 | Silent | IP22 | ECE R10

Here's an unrivalled innovative product designed for the converted van and compact vehicle market. With a dual B1 battery and photovoltaic panel input and a dual B2 on-board battery and fridge output, this product will meet all your needs

MAIN ASSETS

Unrivalled on-board B2 battery charge

Unique DC/DC 20Amp Booster with a separate 18Amp output power for fridge

Ultra compact and lightweight

40% more compact and 4 times lighter weight.

Easy settings for evolving installation

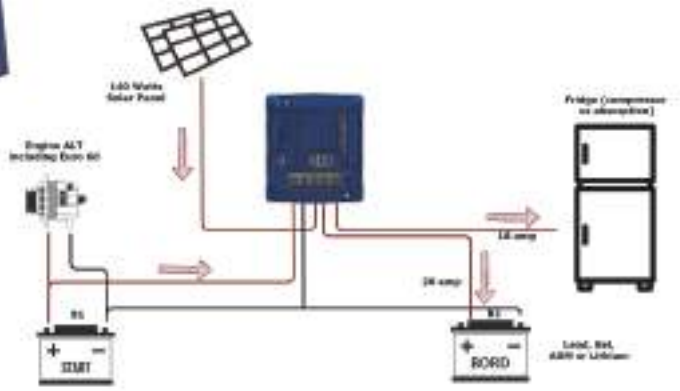
4 charging battery profile available (Lead Acid, Gel, AGM and LFP)

Built-in fuses and easy-connect connector

Plug & Play Wiring. Built-in fuses protection (B1, B2, SP and Fridge), OEM connector

Built-in dedicated input for solar panel

Allows to connect directly 140W of solar panels. Ideal for compact vans and small RV's



1 model available

BOOSTER MINI	2 out	12V	20A+18A	100 x 110 x 50 mm	0,22 kg	**399240**

PROLITE 12.25 IP22 NEW

Silent | Connector | LiFePo4 | CAN BUS | IP22 | ECE R10

Following the launch of the Dolphin ProLite range of waterproof chargers at the end of 2019, the 25A model is now available in 2 new versions designed for boatbuilders and RV's manufacturers. With its industrial connectors, CAN Bus communication port, FANLESS technology and high-performance electronics, it will meet all your requirements.

MAIN ASSETS

Ultra compact and lightweight

40% smaller and 25% lighter than previous model, making it easier to install

100% silent

The charger is fanless which makes it perfectly silent and therefore ideal for mounting anywhere in leaving space

Lithium ready

4 charging profile are available including standard lead-acid, Gel/AGM, Lead-calcium and lithium LFP

Top-Notch Efficiency

Thanks to its efficient topology, the charger heats up less while consuming less, thus contributing to energy efficiency

Industrial Connectors

High-strength connectors for increased reliability and reduced wiring costs on the assembly line

1 models available

PROLITE 12.25 IP22_AFM	3 out	12V	25A	140 x 70 x 245 mm	1,4 kg	**399727**
PROLITE 12.25 IP22 + Can bus				Contact us		

See our IP65 models page 6-7

DISTRIBUTION

ACS (Automatic Charge Selectors)

IP67 ISO 8846

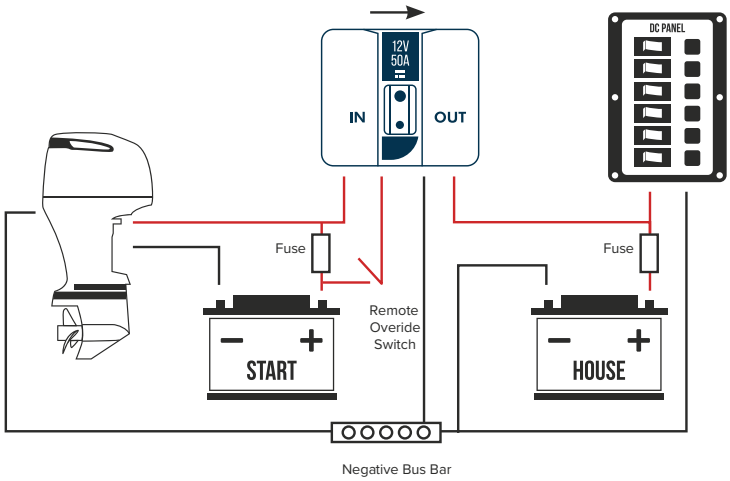
Our Automatic Charge Selectors (ACS) are smart, waterproof and compact voltage-sensing relays which automatically manage the charge function between your start and service battery banks.

MAIN ASSETS

DOLPHIN ACS are the ideal charging-relays for outboard engine boats.

Our cutting-edge “Current Limit Function” is built on MOSFET technology and includes a one-way operating “blocking diode function”: this prevents domestic (house/service) battery voltage drop when starting your engine or bow thruster.
Result: no more sensitive electronics damaged onboard (GPS, etc.).

With ACS... forget manual battery selection.
Forget moving parts with high failure rate.
Forget battery voltage drop.
Forget drained batteries.



2 different models available

ACS 12.50	12V	50A	120A max (peak)	98 x 74 x 52 mm	**399250**
ACS 12.80	12V	80A	190A max (peak)	98 x 74 x 52 mm	**399260**

MONITORING
DOLPHIN CONNECT APP

Bluetooth

You dreamed of it, Dolphin Charger did it: the "Dolphin Connect" App allows you to follow the performance of your PROLITE marine battery charger and ALL-in-ONE energy cabinet live from your smartphone and your tablet (iOS and Android)

MAIN ASSETS

Free

The Dolphin Connect App is free: it works with all PROLITE charger models and with ALL-in-ONE Generation IV models (from Q1-2020)

Complete, live monitoring

The "Dolphin Connect" dashboard allows you to monitor, in real time, the 10 main performances of your marine battery charger:

1. Charging phase in progress (Float, Absorbtion, Boost)
2. Battery type
3. Maximum authorized power
4. Charging voltage (output)
5. Input voltage
6. Battery voltage #1
7. Battery voltage #2
8. Battery voltage #3
9. Battery temperature
10. Number of charging cycles

Multilingual

Dolphin Connect is available in 5 languages: French, English, Italian, German and Spanish

Permanent diagnosis (8 alerts)

Dolphin Connect keeps your charger and batteries under constant surveillance:

1. Output undervoltage
2. Output overvoltage
3. Excessive internal temperature
4. Battery polarity reversal
5. Input undervoltage
6. Excessive battery temperature
7. Hydrogen alarm (based on chargers specifications)
8. Input overvoltage

One version available as standard equipment. Works with PROLITE Chargers, Integral Chargers and ALL-in-ONE power cabinet.

MONITORING

LEAKAGE MONITOR 12.24

Electrical leak tester for metal and composite boats with 12V and 24V power onboard. Electrolytic corrosion can severely affect metal and composite hull boats. It is therefore essential to detect any electrical leakage between your 12/24V on-board circuit and the hull of your boat. This is exactly what our electrical LEAKAGE MONITOR 12.24 does

1 model available

LEAKAGE MONITOR	12/24V	130 x 65 mm	**299170**

MONITORING

BATVIEW

A basic, reliable and user-friendly battery monitor which will help you read your battery bank like a fuel gauge. Relax, your battery bank levels are all under control

At the touch of a button, you will be able to monitor a host of crucial information on four batteries. BATVIEW selectively displays voltage, charge and discharge current, consumed amp/hours and remaining battery capacity.

1 model available

BATVIEW Battery Monitor	12/24V	64 mm (front Ø) x 52 mm (body Ø) x 79 mm (depth)	**399032**

BATTERIES
PRO Series

The Dolphin Charger PRO Series is a complete range of super-reliable start/house batteries with capacities from 60Ah to 230Ah

MAIN ASSETS

Mixed start/house batteries
SMF Type

Maintenance-free
Lead-Calcium Technology

8 models available
With capacities ranging from 60Ah to 230Ah

Easy Use
With handles on all models and quality tray for easy replacement

Wire terminals and charge indicator (Magic Eyes)

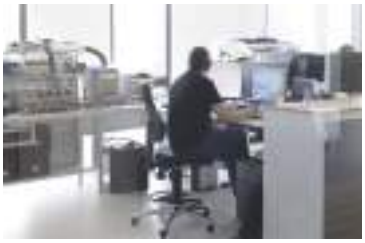
Semi-traction battery (140A, 180A and 230A models)

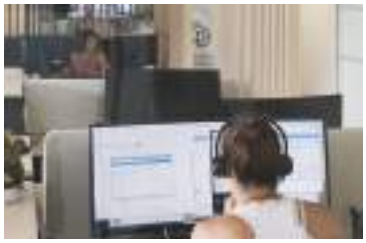
8 different models available

PRO 60A	12V	540A	242 x 175 x 175 mm	**SBEDP55**
PRO 70A	12V	630A	278 x 175 x 175 mm	**SBEDP70**
PRO 90A	12V	800A	353 x 175 x 1 90 mm	**SBEDP90**
PRO 108A	12V	800A	330 x 172 x 238 mm	**SBEDP108**
PRO 108A with threaded terminal	12V	800A	330 x 172 x 238 mm	**SBEDP108BF**
PRO 140A	12V	850A	512 x 189 x 194 mm	**SBEDP140**
PRO 180A	12V	1050A	512 x 222 x 202 mm	**SBEDP180**
PRO 225A	12V	1150A	513 x 275 x 220 mm	**SBEDP230**

Did you know?

Dolphin Charger relies on a team of experts at Cats Power Design.
We can meet your specific electronic needs. A single point of contact to design, produce and maintain customized electronic solutions.





FIELDS OF EXPERIENCE

- Design: Electronic, software and mechanical design
- Test Lab: Regulatory design, EMC prequalification and EMS services
- Manufacturing: Industrial design, purchasing and supplier qualification from prototype to series production
- Continuous improvement: Product lifecycle management, product quality control
- Supply chain: Order production, logistics planning and quality control

PRODUCTS AND SOLUTIONS

- Power Conversion: Power converter / switch mode power supply / LED Driver / Battery charger / BMS / SOC / MPPT
- Motor controller
- Motor driver: High Power Brushed DC (BCD), Brushless DC (BLDC), Steeper sensor and sensorless, axis control with feedback loop
- Digital PCB: Process Control Block (PCB), Data Acquisition and control PCB, Embedded Software, IOT and apps
- Electronics & Housing: Custom Housing Electronics, CAN Keypads, HMI

EXAMPLE OF CUSTOM PRODUCTS

Connected sensors for the marine environment

Customer-specific design
2-year minimum battery life thanks to a lithium battery
Bluetooth Low Energy (BLE) wireless technology

Characteristics

- Temperature and humidity sensor
- Magnetic sensor
- Digital input sensor
- Anti-theft sensor
- AC mains presence sensor
- PIR intrusion sensor

Bluetooth Low Energy 5.1
ABS casing
Stand-alone operation Power supply Lithium battery type CR2450X

Power conversion

Characteristics

LED driver: 4 x 44V-10A channels
Digital current control at 2mA
Communication with Modbus RS485 controller board
Controller board with:

- STM32H745: dual-core ARM + Azure RTOS Stack
- 4.3” colour screens
- 2 Ethernet + one switch
- 2 USB: HOST + OTG
- 3 x RS485
- Control of stepper motor + fans

EMC-compliance testing of the system in our Faraday cage

Meet the DOLPHIN Family

Discover our complete range of robust and intelligent power-conversion products for all types of boats: **battery chargers, boosters, inverter/chargers, batteries, battery monitors and accessories.**

Product					Dimensions	Weight	Ref
BATTERY CHARGERS							
PROLITE 12.15 IP65	2 out	12V	15A	230V	142 x 195 x 72,5 mm	1.4 kg	**399710**
PROLITE 12.15 IP65	2 out	12V	15A	115V NEMA 5-15P plug	142 x 195 x 72,5 mm	1.4 kg	**399715**
PROLITE 12.25 IP65	3 out	12V	25A	115/230V	142 x 244 x 72,5 mm	1.7 kg	**399720**
PROLITE 12.25 IP65	3 out	12V	25A	115/230V NEMA 5-15P plug	142 x 244 x 72,5 mm	1.7 kg	**399725**
PROLITE 12.40 IP21_AFM	4 out	12V	40A	115/230V	279 x 103 x 200 mm	3,4 Kg	**399730**
PROLITE 12.40 IP55_STD	4 out	12V	40A	115/230V	279 x 103 x 200 mm	4,9 Kg	**399735**
PROLITE 12.25 IP22_AFM	3 out	12V	25A	115/230V	140 x 70 x 245 mm	1,4 Kg	**399727**
PREMIUM 12.10		12V	10A	230V	96 x 120 x 238 mm	1,3 kg	**399000**
PREMIUM 12.15		12V	15A	230V	96 x 120 x 238 mm	1,3 kg	**399010**
PREMIUM 12.25		12V	25A	115/230V	96 x 120 x 354 mm	1.9 kg	**399020**
PREMIUM 12.40		12V	40A	115/230V	96 x 120 x 354 mm	1.9 kg	**399030**
PREMIUM 12.60 + CANbus		12V	60A IP	115/230V	274 x 240 x 107 mm	3,1 kg	**399050**
PREMIUM 24.20		24V	20A	115/230V	96 x 120 x 354 mm	1.9 kg	**399040**
PREMIUM 24.30 + CANbus		24V	30A	115/230V	274 x 240 x 107 mm	3,1 kg	**399060**
PRO HD+ 24.60	3 out	24V	60A	115/230V	128 x 346 x 358 mm	6,0 kg	**399475**
PRO HD+ 24.100	3 out	24V	100A	230V	196 x 346 x 358 mm	11,5 kg	**399485**
PRO EVO3 12.90	4 out	12V	90A	115/230V	284 x 360 x 122 mm	3.5 kg	**399454**
PRO EVO3 24.40	4 out	24V	40A	115/230V	284 x 360 x 122 mm	3.5 kg	**399474**
PRO EVO3 24.60	4 out	24V	60A	115/230V	284 x 360 x 122 mm	3.5 kg	**399464**
PRO EVO3 24.100	4 out	24V	100A	230V	284 x 360 x 122 mm	3.9 kg	**399484**

BOOSTERS					
BOOSTER CAN DC/DC	12/24V	30A	240 x 140 x 100 mm	2 kg	**399211**
BOOSTER CAN DC/DC	24/24V	30A	240 x 140 x 100 mm	2 kg	**399212**
BOOSTER CAN DC/DC	24/48V	15A	240 x 140 x 100 mm	2 kg	**399213**
DC/DC SMART BOOSTER	12V	25A+18A	200 x 142 x 73 mm	1.1 kg	**399233**
DC/DC SMART BOOSTER	12V	40A+18A	200 x 142 x 73 mm	1.1 kg	**399235**
INTEGRAL DC/DC 25+18/15/250	12V	25A+18A	203 x 174 x 67 mm	0,9 kg	**399237**
BOOSTER MINI	12V	20A+18A	100 x 110 x 50 mm	0,22 kg	**399240**

Product					Dimensions	Weight	Ref
MULTI-PURPOSE POWER CABINET							
ALL-IN-ONE PREMIUM	3 out	12V	25A	115/230V	372 x 142 x 82 mm	2.2 kg	**399125**
DISTRIBUTION							
ACS 12.50		12V	50A	120A max	98 x 74 x 52 mm	0.4 kg	**399250**
ACS 12.80		12V	80A	190A max	98 x 74 x 52 mm	0.4 kg	**399260**
MONITORING							
DOLPHIN CONNECT APP		available on PROLITE CHARGERS, ALL-IN-ONE and INTEGRAL					
LEAKAGE MONITOR 12.24		12/24V	130 x 65 mm			0.5 kg	**299170**
TOUCHVIEW			Front 93 mm, Body 73 mm			0.3 kg	**399033**
BATVIEW Battery Monitor		12/24V	Front 64 mm, Body 52 mm, Depth 79 mm			0.5 kg	**399032**
BATTERIES							
PRO 60A	start/house	12V	540A	60Ah	242 x 175 x 175 mm	13.5 kg	**SBEDP55**
PRO 70A	start/house	12V	630A	70Ah	278 x 175 x 175 mm	15.5 kg	**SBEDP70**
PRO 90A	start/house	12V	800A	90Ah	353 x 175 x 1 90 mm	20.9 kg	**SBEDP90**
PRO 108A	start/house	12V	800A	108Ah	330 x 172 x 238 mm	23.7 kg	**SBEDP108**
PRO 108A with threaded terminal	start/house	12V	800A	108Ah	330 x 172 x 238 mm	23.7 kg	**SBEDP108BF**
PRO 140A	start/house	12V	850A	140Ah	512 x 189 x 194 mm	35.6 kg	**SBEDP140**
PRO 180A	start/house	12V	1050A	180Ah	512 x 222 x 202 mm	43.7 kg	**SBEDP180**
PRO 225A	start/house	12V	1150A	225Ah	513 x 275 x 220 mm	57.2 kg	**SBEDP230**

Need to find Dolphin Users Manuals?

We have them all online for you!
www.dolphin-charger.com/help-center

Technical glossary

NMEA
The National Marine Electronics Association, is a worldwide, member based trade organization revolving around marine electronics interface standards, marine electronics installer training, and its annual marine electronics conference & expo.

NMEA2000
The NMEA 2000® standard contains requirements based on CAN (Controller Area Network) communications to inter-connect marine electronic equipment on vessels. The standard describes a low-cost moderate capacity bi-directional, multi-transmitter/multi-receiver instrument network to interconnect marine electronic devices. It is multi-master and self configuring, and there is no central network controller.

CAN
A controller area network (CAN) is a vehicle bus standard designed to enable efficient communication primarily between electronic control units (ECUs). Originally developed to reduce the complexity and cost of electrical wiring in automobiles through multiplexing, the CAN bus protocol has since been adopted in various other contexts.

Switched-mode power supply
Switched-mode power supplies are electronic supplies that incorporate switching regulators to convert electrical power efficiently. They are widely used in a range of modern applications thanks to characteristics like efficiency, low cost, and adaptability.

Lithium Iron Phosphate Battery
A LiFePO4 battery is a type of rechargeable lithium-ion battery that uses iron phosphate (FePO4) as the cathode material. Lithium iron phosphate batteries (LiFePO4 or LFP) offer lots of benefits compared to lead-acid batteries and other lithium batteries. Longer life span, no maintenance, extremely safe, lightweight, improved discharge and charge efficiency

E-Mark
E-Mark certification acts as a quality stamp, confirming that our products meet the high standards set by the World Forum for Harmonization of Vehicle Regulations, a branch of the United Nations Economic Commission for Europe (UNECE). This ensures our vehicles are not only super safe but also eco-friendly, energy-efficient, and theft-resistant.

Ignition Protection ISO8846

As its name suggests, this standard aims to protect **recreational boats from flammable gases ignition**. The design of the electrical equipment of these boats must indeed follow precise characteristics, allowing to avoid the explosion of the surrounding inflammable gases. The ISO 8846 standard also regulates the test methods for this equipment.

Multi-function Display (MFD)

Acronym for Multi-Function Display. A screen that displays multiple readouts/plots such as GPS, Sonar, Radar, AIS, wind, environmental and motor information depending on the sensor devices attached. Modern MFDs are capable of networking via NMEA2000, a 250-kbs Controller Area Network (CAN) system that allows different electronics to share a common “language” and communicate with plug-and-play ease.

IUoU, CCCV or 3-Stage Charging Method

IUoU is a designation for a lead-acid battery charging procedure that is also known as *3-stage charging, 3-phase charging, or 3-step charging*. It consists of three phases (or stages), to be executed by a battery charger. The three phases are (1) the BULK stage, (2) the ABSORPTION stage and (3) the FLOAT stage.

Temperature Derating

Derating means the reduction of the output power depending on the ambient conditions. Derating is therefore a recommended protective measure for electronic components and devices to protect them from high temperatures and prevent failures. Above a defined temperature limit, the output power is reduced linearly. The power reduction is precisely specified for each device.

Fanless Technology

Fans are required when natural heat loss is insufficient to overcome the amount of heat generated. Fanless cooling uses passive techniques to prevent the device components from overheating. The heat is transferred by conduction, a natural process that transfers heat to a cooler object.The main advantage of fanless cooling is noise reduction

DNV

In the maritime, offshore, and Oil & Gas industries, high standards of design and manufacturing must be met to adequality protect to the environment, employees, and property. These high standards are also used to meet international regulatory compliance wherever equipment is being used. DNV is recognized as the first classification society in the maritime industry and offers certification assurances to the quality and design reliability of specific products.

At Dolphin Charger we design, manufacture and distribute a complete range of robust and intelligent power-conversion products and solutions for all types of boats. Our products include **battery chargers, boosters, inverter-chargers, batteries, battery monitors and accessories.**

Dolphin Charger has your power solution. **Just call us**.

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Dolphin® charger

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