



Dolphin[®] charger

Photo: Groupe Beneteau

NEW

BOOSTER Series

12/24V 30A, 24/24V 30A and 24/48V 15A

12/24V

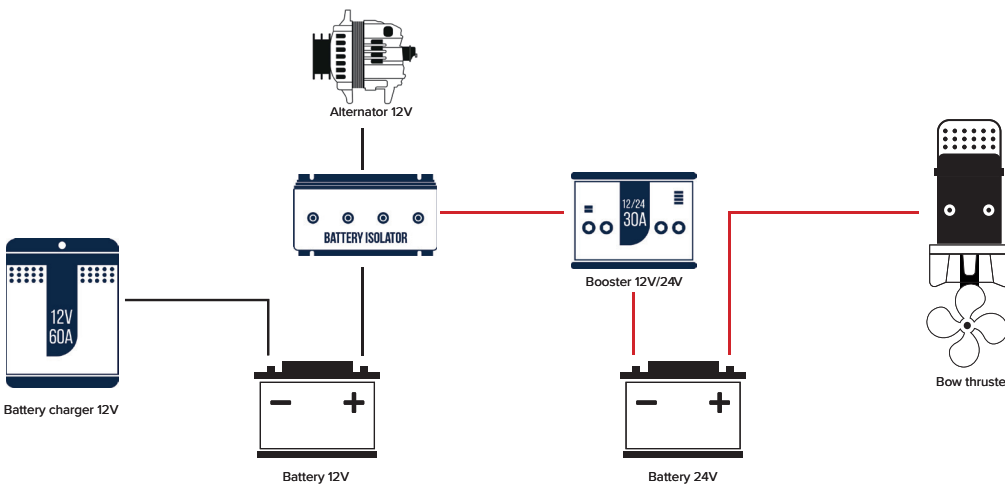
24/24V

24/48V

15A → 30A



Your boat has a 12V DC power installation, and you need to charge a 24V (or 48V) battery bank? Dolphin Charger has your solution: BOOSTER. This product is a real DC/DC charger for sailboats and power boat equipped with a 24V (or 48V) secondary electrical circuit for their bow thrusters and auxiliaries. BOOSTER is both compact and easy to install.



Technical specifications
Input 12V / Output 24V/30A
Input 24V / Output 48V/15A
Input 24V / Output 24V/30A

BOOSTER Series

BOOSTER units are designed to **charge a 24V or 48V auxiliary battery** from a single 12V battery bank onboard

BOOSTER is an attractive power solution for new construction (**boatyards**) as well as **refitting** charter boats

BOOSTER greatly facilitates 12V/24V (or 24V/48V) **dual installations** on board

With a BOOSTER, simply avoid redoing the onboard electrics

This product range extends from 12/24V (charging at 30A) up to 24/48V (charging at 15A)

Small is beautiful: our engineers have made it **compact**.

BOOSTER is **only half the size** of a conventional charger of equivalent power!

BOOSTERS are **intelligent** marine battery chargers featuring an advanced and unique **4-stage charging program** based on battery specification (Lead, Gel, AGM, Lithium, LifeSO4)

BOOSTER is **super-easy to fit on board** (only 4 fixing bolts and 4 electrical connections)

BOOSTER units include **automatic protection** against battery source drainage

As for all other Dolphin® charger products, the BOOSTER's assembly process includes **conformal coating** of the electronic board (PCB) to guarantee an **extended lifecycle** of your battery charger.

BOOSTER products come with a **4-year warranty** (since 2019)

	12V/24V 30A	24V/24V 30A	24V/48V 15A
Input			
Input voltage	10V to 16V	20V to 32V	
Max input current	70A	35A	
Efficiency	90%		
Input fuse	F30A (qty 4)	F15A (qty 4)	
Output			
Number of output	1		
Battery voltage	24V		48V
Voltage program	26V to 30V +/- 1%		53V to 60V +/- 1%
Charging program	4 different IUUo cycles, Lead acid,AGM, GEL, Lithium LFP with BMS		
Max output current	30A		15A
Output fuse	F25A (qty 2)		F10A (qty 2)
Protections			
Input under and overvoltage	Electronic (automatic restart)		
Output under and overvoltage	Electronic (automatic restart)		
Short-circuit on output	Electronic (automatic restart)		
Overheating	Electronic (automatic restart)		
Reverse polarity	Fuses		
Generalities			
Display	Front Tricolour LED		
Operating t°	-10°C to 55°C		
Storage t°	-20°C to 70°C		
Humidity	10 to 90%		
Safety	ISO13297		
Convection	Thermostated vario speed fan		
IP rating	IP22		
Dimensions	250 x 150 x 80mm		
Weight	1,8KG		
Input connections	M8 bolts		
Output connection	M8 bolts		
Part Number	399201	399202	399203