

Dolphin charger



12V/24V

12V/36V

24V/24V

24V/48V

15 → 30A



LifePo4



CANBUS



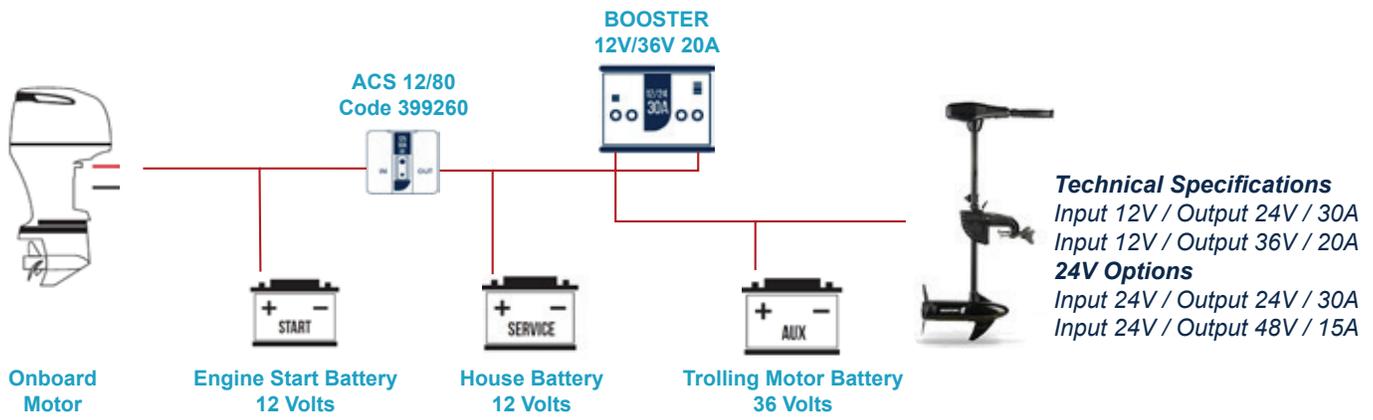
NEW

Booster Series

12/24V 30A - 12/36V 20A -
24/24V 30A - 24/48V 15A

Part # 99201 - 99204

Your boat has a 12V alternator and you need to charge a 24V or 36V battery "on the run"? Dolphin has the solution. Our boosters are true DC/DC chargers with 3-stages smart charge feature. Compatible with 4 different technologies including Gel, AGM or Lithium LIFEPO4. Dolphin booster is the perfect choice to charge your bow thruster or trolling motor batteries!



Technical Specifications
 Input 12V / Output 24V / 30A
 Input 12V / Output 36V / 20A
24V Options
 Input 24V / Output 24V / 30A
 Input 24V / Output 48V / 15A

Example of 12/36V 20A booster installation for trolling motor installation



Quality is Our Tradition
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Flexibility and Versatility

BOOSTER units are designed to charge a 24V, 36V or 48V auxiliary battery from a single 12V or 24V power system, ideal for new installations or for updating older systems. Thanks to recharging during navigation, auxiliary batteries are always available. No need to wait until you're connected to the shore to recharge. This product range extends from 12/24V (charging at 30A), 12/36V (charging at 20A) up to 24/48V (charging at 15A)

Efficient Power Conversion

Small is beautiful: our engineers have made it compact. BOOSTER is only half the size of a conventional charger of equivalent power!

Faster Charging Times

BOOSTERS are intelligent marine battery chargers featuring an advanced and unique 4-stage charging program. This

reduces charging time by 50% compared with charging from a basic alternator. with different battery chemistry settings (Lead, Gel, AGM, Lithium, LifeFO4)

Compatibility with Different Voltages

BOOSTERS are smart battery chargers featuring four different battery profile, Lead, Gel, AGM, and Lithium LifeFO4.

Protection Features

BOOSTER units include automatic protection against battery source drainage, over-current, over-voltage and reverse polarity and built-in fuses protections. 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.

Increased Battery Life

12V/24V 30A

12V/36V 20A

24V/24V 30A

24V/48V 15A

Input

Input Voltage	10V to 16V		20V to 32V	
Max. Current	70A		35A	
Efficiency	90%			
Input Fuse	x4 F30A		x4 F15A	

Output

Number of Outputs	1			
Battery Voltage	24V	36V	24V	48V
Voltage Program	26V to 30V +/-1%	39V to 45V +/-1%	26V to 30V +/-1%	53V to 60V +/-1%
Charging Profile	4 different IUoU cycles, Lead Acid, AGM, GEL, Litium LiFePO4 with BMS			
Max. Output Current	30A	20A	30A	15A
Output Fuse	x2 F25A	x2 F15A	x2 F25A	x2 F10A

Protection

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

General

Display	Front Tricolor LED			
Operating temperature	-10°C to +55°C / 14° F to 130° F			
Storage temperature	-20°C to +70°C / - 4° to 158° F			
Humidity	10% to 90%			
Safety	ISO13297			
Convection	Thermostated vario speed fan			
IP Rating	IP22			
Dimensions	250 X 150 X 80mm / 9-7/8" W x 6" H x 3-1/8" D			
Weight	1,8Kg / 4-1/2 lbs.			
Input Connection	M8 bolts / 5/16" Terminal Bolts			
Battery Connection	M8 bolts / 5/16" Terminal Bolts			
CAN Connection	x2 Molex Micro-Fit			
Part #	99201	99204	99202	99203