



Dolphin[®] charger

Photo: Jérôme Kelagopian

NEW

ACS (Automatic Charge Selector)

12V50A and 12V80A

Smart, 100% waterproof (IP67) voltage-relay with MOSFET technology.

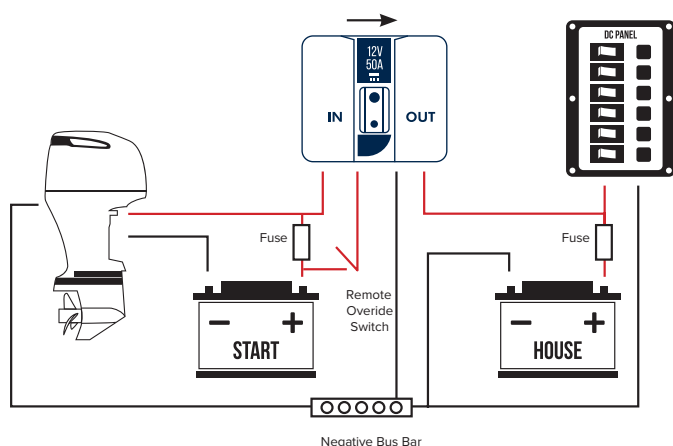
12V

IP67

50A

80A

ISO 8846



Technical specifications

System voltage: 12 Volts

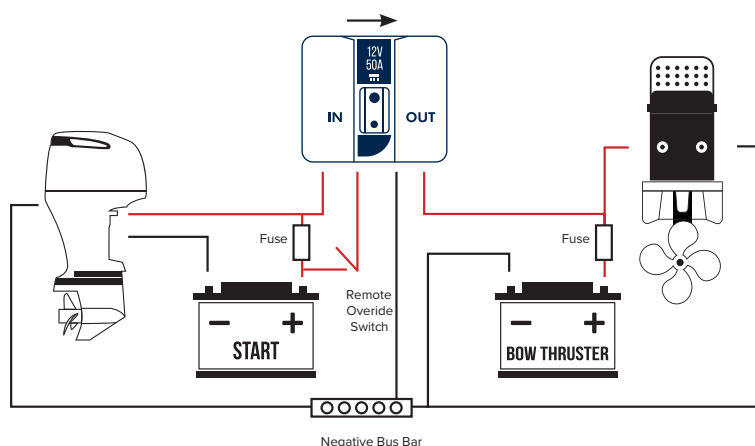
Current rating:

50 Amp Continuous / 120 Amp Peak

80 Amp Continuous / 190 Amp Peak

ACS units come with a multi-colour LED

control and remote operation switch contact



Automatic Charge Selector (ACS)

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**.

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.).

ACS is **intrinsically safe** against ignition of atmospheric flammable vapours (**ISO 8846**) which makes it safe for installation on gasoline **outboard engine boats**.

ACS units are true DOLPHINS. They are **IP67** certified (**100% waterproof**).

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

And, last but not least, DOLPHIN ACS **reduces operating amperage by up to 70%** in comparison with other voltage-sensing relays currently on the market.

4 years warranty (since 2019)

	ACS 12V50A	ACS 12V80A
System Voltage	12 Volt	
Current	50 Amp	80 Amp
Current max	120 Amp	190 Amp
Operating current	< 5 mA stand-by mode < 20 mA operating mode	
Voltage operation		
Engages	BAT_IN ≥ 13,0 volt during 90 seconds or BAT_IN ≥ 13,6 volt during 30 seconds and BAT_OUT ≥ 10,5 volt	
Disengages	BAT_IN ≤ 12,4 volt during 10 seconds or BAT_IN ≤ 12,7 volt during 30 seconds	
LED Operation		
Off	Disengaged	
Green flashing	Engagement soon (max 90 s)	
Green	Engaged	
Yellow flashing	Pulsed charge mode	
Red	Overvoltage or over temperature fault	
Red flashing	Under voltage fault	
Safety		
Protections	Over temperature, Over load, Under & Over «start» battery voltage	
Certifications	ISO 13297, 10133, 8846	
IP Rating	IP 67	
Dimensions (mm)	98 x 84 x 57	
Weight	0,4 kg	
Terminal stud	M10	
Negative and On/Off	Faston 6,35 mm	
Part number	399250	399260