



Dolphin[®] charger



Photo: Jérôme Kelagopian

NEW

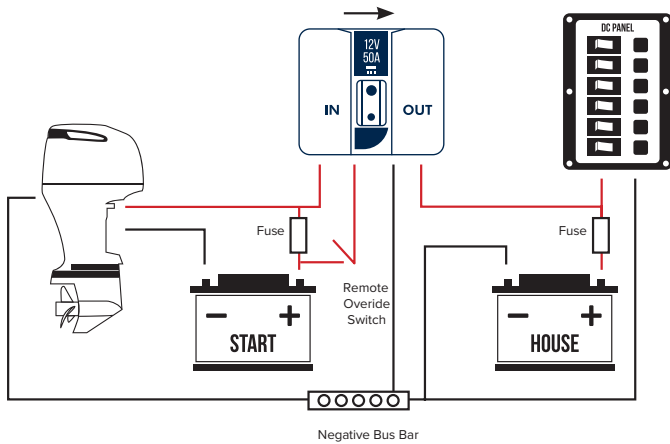
ACS (Automatic Charge Selector)

12V50A and 12V80A

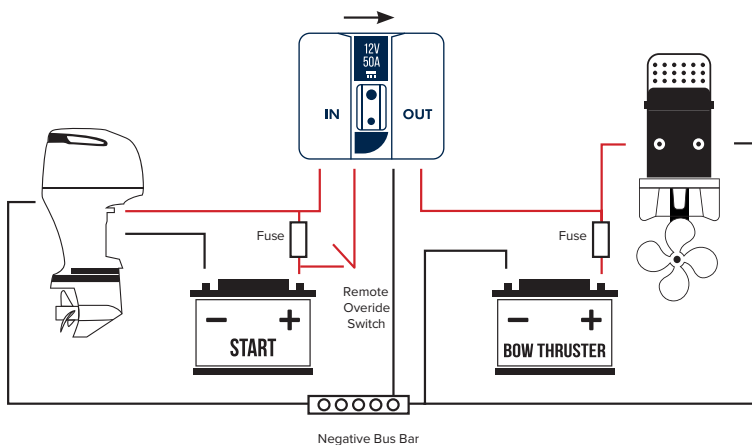
Smart, 100% waterproof (IP67) voltage-relay with MOSFET technology.

12V **IP67**

50A **80A** **ISO 8846**



01



02

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 |