

The GYSFLASH 4A is an automatic charger designed to charge or maintain 12V batteries (liquid or gel). It is powerful, compact, light and water proof.

• **Ensures an automatic charge up to 100% without supervision.** Ideal for lawn mowers, bikes, cars, vans, boats, trucks, etc...

• **Charges from as low as 1 volt.** 

• **Examples of use:**

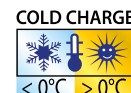
- Charger for car/bike 12V battery
- Maintenance/wintering
- Battery recovery (for sulphated 12V batteries)

• **Protection for on-board electronics of your car.**

Protection against short circuits/ polarity reversals/ overvoltage
Anti-spark system

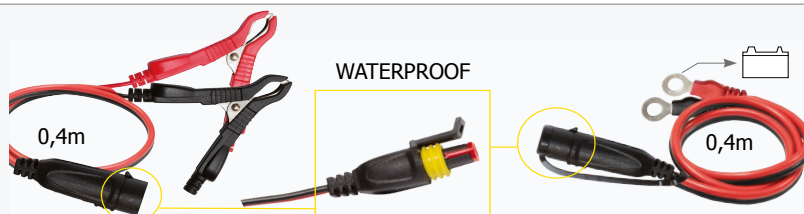
• **Adapted to marine application,** it doesn't create any galvanic current (current which electrolyzes the water and corrodes the hull).

• **Specific charge for cold temperatures**

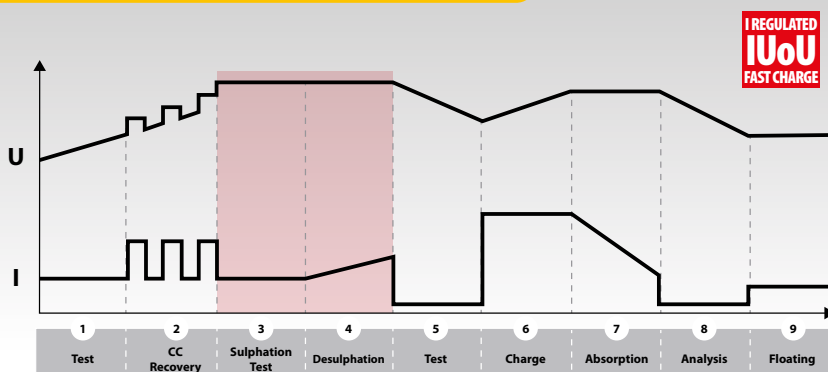


ALL BATTERIES






• **Supplied with 2 quick connection kits** (clamps and terminals). Cables with specific terminal connections to fix permanently to the vehicle, allows you to connect the charger quickly.



CHARGING CURVE



- 1 - Short circuit test of the battery
- 2 - Recovery mode for damaged cells
- 3 - Sulphation test
- 4 - Desulphation/Recovery of the battery
- 5 - Recovery test
- 6 - Charge up to 80%
- 7 - Charge up to 100%
- 8 - Analysis of battery charge
- 9 - Floating mode

 50 / 60 Hz			START MINI	CHARGE		Moyen / Average (EN 60335)	Boost	Equalize / Absorption		Floating		
				On board	Maintenance							
230 V	12 V	90 W	1 V	1.2 > 70 Ah	1.2 > 130 Ah	0.8 - 3.6 A	4 A	14.6 V (T > 0°)	15 V (T < 0°)	13.6 V	36 x 18,5 x 7 cm	0.85 kg