

The GYSCAP 12 V DC/DC is a self-sufficient starter with no internal battery. The internal supercapacitors deliver high power output for reliable and safe starting (1600 A at 1V/C). It is maintenance-free: The integrated DC/DC inverter recharges the booster from the battery of the vehicle you are jumping in just a few seconds, then automatically recharges on the same vehicle once it is running, so you can use it many times in a row.

RELIABLE STARTING

ULTRA-FAST CHARGING, ANYWHERE, WITHOUT NEEDING A POWER SUPPLY NEARBY

1 On a 12 V battery

Recharging without mains power.

The GYSCAP has a built-in DC/DC inverter capable of recharging the supercapacitors to a maximum of 50 A from the minimal residual voltage of a discharged battery. Once the engine has started, it also recharges fully automatically via the alternator.



2 min 30 max

2 From a cigarette lighter socket in a vehicle

Recharge during the time spent travelling to the location.



4 min max

9 min max

3 With a Gysflash 4.12 (029422) or 12.12 (029392)

Charging from the mains.

8 - 15 min max
depending on model



EXCELLENT STARTING PERFORMANCE

With a starting current of 1600 A, it can be used to start all types of vehicle (petrol & diesel) fitted with a 12 V - 150 Ah (max) lead acid or lithium LFP battery.

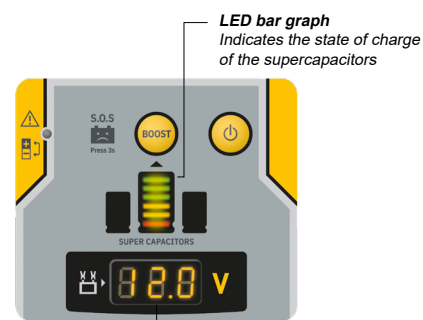
'SOS' MODE FOR A SUCCESSFUL START EVERY TIME

This mode allows a vehicle to be started even when the battery is deeply discharged.

MAXIMUM PROTECTION

- The integrated DC/DC inverter optimally manages the charging of the supercapacitors, while preserving the electrical system in the vehicle:
 - It monitors the voltage of the battery in the vehicle and adjusts the way it is charging, to ensure that the battery voltage does not fall below 8 V, thereby protecting the battery, and the data in the vehicle ECUs.
 - It regulates the energy used to recharge the supercapacitors (50 A max), to protect the alternator from overloading, without affecting the recharging time of the supercapacitors.
- The GYSCAP 12 V DC/DC is protected against polarity reversal / clamp short-circuits / undervoltage, and overvoltage. It protects all on-board electronics, the vehicle battery, the booster, and the user.

Smart Starter Management System for an intuitive user experience



LED bar graph
Indicates the state of charge of the supercapacitors

LED display

- Accurately indicates the voltage at the clamps of the battery and alternator of the vehicle
- Assists the user with clear, intuitive messages throughout the start-up procedure.

UNBEATABLE PERFORMANCE

- Always ready to go with rapid recharging.
- **Thousands of starts:** start the ignition, let the booster recharge on the running engine then proceed to start as many vehicles as you like.
- **Maintenance-free:** does not need to be kept charged when not in use.
- Always operational, even after years of storage.
- **Unaffected by extreme temperatures (-40°C / +65°C).**
- **Long service life:** it can be used 10,000 times with no loss of performance.

INCLUDED

1.5 m charging cable for cigarette lighter socket



DESIGNED FOR ON-SITE APPLICATIONS

- Reinforced plastic case.
- 100% copper cables, 25 mm² cross-section, 170 cm long.
- Fully insulated curved brass clamps.
- Weighs just 7.2 kg

START PB /LFP					SUPERCAPACITOR CHARGING							cm	kg	mm
Farad	START	I 1V/C	I 0V/C	I PEAK BATTERY	V	⌚	⌚	⌚	⌚	OPTIONAL EXTRA	⌚			
5 x 3 000 F	12 V	1 600 A	2 700 A	10 000 A	8 - 16 V 50 A max	2 min 30 max	4.5 - 30 V 8 A max	12 V: 9 min max 24 V: 4 min max	4 A 15 min max	12 A 8 min max	35 x 44 x 19	7.2	1.7 m - 25 mm ²	