

Technical Sheet

SOS 12/24V MOBILE



Explanation of Amps

Cranking amps (CA)

This is the power (amperage) supplied by the Booster's battery at the clamps during a 10 second start at room temperature (18-20°C).

Peak Amps (PA)

This is the power (amperage) supplied by the Booster's battery during a short-circuit at a fraction of a second.

Safety & Compatibility

The **SOS Booster**, used in accordance with the instruction manual, is perfectly safe for the onboard electronics of your vehicle.

The **SOS Booster** is also perfectly compatible with hybrid vehicles.

Technical & Logistic Specifications

| | SOS 12/24V 3200/1600CA | SOS 12/24V 6400/3200CA |
|---|---------------------------|---------------------------|
| Part No. | 960000 | 960001 |
| Voltage (DC) | 12/24V | 12/24V |
| Cranking amps (CA) | 3200/1600 A | 6400/3200 A |
| Peak amps (PA) | 7750/3875 A | 15550/7750 A |
| Number of batteries | 2 | 4 |
| Starting cable length | 1.95 m | 1.95 m |
| Radaflex® Welding cable size | 70 mm ² | 70 mm ² |
| Type of clamps | 850 A | 850 A |
| Length of the clamps | 215 mm | 215 mm |
| Opening of the clamps | 54 mm | 54 mm |
| Automatic electronic charger AC/DC | 7 A | 7 A |
| Cable to charge on board a vehicle DC/12V | ● | ● |
| 12V Outlet | 16 A | 16 A |
| Reverse polarity system | ✓ | ✓ |
| Internal fuse on the battery | 500 A | 500 A |
| Auxiliary connector for cables | ● | ● |
| Net weight | 55 kg | 68.5 kg |
| Dimensions (cm) | 47 x 34 x 97 | 47 x 34 x 97 |
| Gross weight (shipping weight) | 59.5 kg | 73 kg |
| Dimensions of the packing box (cm) | 49.5 x 35.5 x 100.5 | 49.5 x 35.5 x 100.5 |

Legend ✓ yes ✗ no ● option ● on demand

Recommended Boosters for professional uses



| Power - HP | 12V Applications | | | | | | | 24V Applications | | | | |
|--------------------------|------------------|-----|-----|-----|-----|-----|-----|------------------|-----|-----|------|------|
| | < 125 | 150 | 175 | 250 | 300 | 350 | 500 | 100 | 250 | 500 | 1000 | 1500 |
| SOS 12/24V - 3200/1600CA | ■ ■ | ■ ■ | ■ ■ | ■ ■ | ■ ■ | ■ ■ | ■ ■ | ■ ■ | ■ ■ | ■ ■ | ■ ■ | ■ ■ |
| SOS 12/24V - 6400/3200CA | ■ ■ | ■ ■ | ■ ■ | ■ ■ | ■ ■ | ■ ■ | ■ ■ | ■ ■ | ■ ■ | ■ ■ | ■ ■ | ■ ■ |

Legend

■ ■ Intensive
■ Normal

Caution

The conditions when starting a vehicle can vary the results, such as: vehicle's condition, engine type (petrol or diesel) and power, presence of battery in vehicle or not, temperature, frequency of use ... These conditions can all influence the jump start's efficiency.

Chart for your information - Manufacturer's advice.

Our AGM **batteries** with pure lead are extremely efficient thanks to their ability to deliver energy at high amperage almost instantaneously (cranking amps is what is required to make the vehicle start).

Spare part's reference:
 ■ SOS 12/24V-3200/1600CA: **862520**
 ■ SOS 12/24V-6400/3200CA: **862160**

The **internal fuse** protects the batteries against short-circuits.

Spare part's reference: **862006**



The single-piece moulded **case** in 5mm thick polyethylene is unbreakable, with a lifetime warranty, and ensures excellent resistance to shocks and every day use.

4-Pin Neutrik® **charging plug** for a simultaneous and optimal recharge of your Booster's batteries.

Spare part's reference: **862606**



Starting cables (double insulated) with an optimal length and extreme flexibility benefit from a high conductivity as well as a perfect shape resistant to frequent handling.

They allow the user to leave the Booster on the ground while starting the vehicle.



An accurate and illuminated **voltmeter** indicates the charging level of the Booster, the functioning of the charger as well as the health of the alternator of the vehicle.

Spare part's reference:
 ■ voltmeter: **812003**
 ■ push button: **832002**

Voltage Selector

The **voltage selector**, to select either 12V or 24V voltage, is made up of the most robust industrial connectors on the market.

The selector also serves as a circuit breaker. It is accompanied by a buzzer indicating any reverse polarity. This allows you to connect the clamps safely before applying voltage to the Booster.

The **850A clamps** have been designed ergonomically with curved jaws with an extra wide opening, as well as optimised security and performance. They are entirely insulated and fitted with a copper bridge which ensures the diffusion of the current on both bronze jaws. The blue clamp is equipped with an LED lamp for easier and safer use, especially in the dark.

Spare part's reference
 ■ red clamp: **862703**
 ■ blue clamp: **862704**



Options

| Part No. | Description | SOS 12/24V 3200/1600CA | SOS 12/24V 6400/3200CA |
|----------|---|---------------------------|---------------------------|
| 860012A | Air compressor USA 12V 8.3 bar - external | ● | ● |
| 860012B | Air compressor USA 12V 8.3 bar - internal | ● | ● |
| 860050 | Double wrap cable of 3.7m instead of 1.95m | ● | ● |
| 860061 | Off-road wheels | ● | ● |
| 860022 | Auxiliary grey connector built on the Booster | ● | ● |
| 860055 | Easy Grip 0.5m cable with moto clamp and F600 clamp | ● | ● |
| 860056 | Easy Grip 0.5m cable with 650A clamp and F600 clamp | ● | ● |

Legend

- Available
- Not recommended
- Not available

