

## Technical Sheet

# SOS 12/24V PORTABLE



### 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.

### Points of Interest

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 1600/800CA	SOS 12/24V 2000/1000CA	SOS 12/24V 2400/1200CA
Part No.	761006	761012	760008
Voltage (DC)	12/24V	12/24V	12/24V
Cranking amps (CA)	1600/800 A	2000/1000 A	2400/1200 A
Peak amps (PA)	4740/2370 A	5920/2960 A	6200/3100 A
Number of batteries	2	2	2
Starting cable length	1.35 m	1.35 m	1.35 m
Radaflex® Welding cable size	35 mm <sup>2</sup>	35 mm <sup>2</sup>	50 mm <sup>2</sup>
Type of clamps	850 A	850 A	850 A
Length of the clamps	215 mm	215 mm	215 mm
Opening of the clamps	54 mm	54 mm	54 mm
Automatic electronic charger AC/DC	1.3 A	1.3 A	3.6 A
Cable to charge on board a vehicle DC/12V	●	●	●
12V Outlet	16 A	16 A	16 A
Reverse polarity system	✓	✓	✓
Internal fuse on the battery	300 A	300 A	500 A
Auxiliary connector for cables	●	●	●
Net weight	20.5 kg	23.5 kg	24.8 kg
Dimensions (cm)	53 x 16 x 48	53 x 16 x 48	53 x 16 x 48
Gross weight (shipping weight)	23 kg	26 kg	28.5 kg
Dimensions of the packing box (cm)	56 x 19 x 60.5	56 x 19 x 60.5	56 x 19 x 60.5

Legend    ✓ yes    ✗ no    ● option    ● on demand

### Recommended Boosters for professional uses



Power - HP	12V Applications						24V Applications				
	< 125	150	175	250	300	350	100	250	500	1000	1500
SOS 12/24V - 1600/800CA	■ ■	■ ■	■ ■	■	■	■	■ ■	■ ■	■		
SOS 12/24V - 2000/1000CA	■ ■	■ ■	■ ■	■ ■	■	■	■ ■	■ ■	■		
SOS 12/24V - 2400/1200CA	■ ■	■ ■	■ ■	■ ■	■ ■	■ ■	■ ■	■ ■	■ ■	■ ■	■ ■

### 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: ■ 800A battery: **862760**  
 ■ 1200A battery: **862120**  
 ■ 1600A battery: **862160**

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

Spare part's reference: ■ 300A fuse: **862005**  
 ■ 500A fuse: **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: **862602**



**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 1600/800CA	SOS 12/24V 2000/1000CA	SOS 12/24V 2400/1200CA
860012A	Air compressor USA 12V 8.3 bar - external	●	●	●
860021	Double wrap cable of 2.25m instead of 1.35m	●	●	●
860014	Auxiliary red 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

# PROQUIP

VALUE ADDED PRODUCTS

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