



BATTERY BOOSTERS

AQ-TRON SUPERCAPACITOR BOOSTER

WITHOUT BATTERY

SWISS  MADE

MAINTENANCE FREE & BATTERYLESS JUMP STARTERS

FEATURES

- No Built-in battery, so no need to keep constantly charged
- No degradation of performance due to cold weather (up to -40°C +50°C)
- 10 years shelf life
- Recharge time: less than 10 minutes

These boosters require **no maintenance**. Very light, they are also **extremely powerful** with high Peak Amps capacity. Over 1 million cycles. Made in Swiss, CE conformity, automatic self-regulatory charger (220V). Cigarette lighter socket charger 12V. Durable and heavy duty isolated quality clamps, ABS® shockproof case, very resistant, for all / eventual professional interventions and repairs.

Extremely handy weight; reduced to the maximum. Protected against surge points. Controls the capacity of vehicle's alternator. Starts any kind of engines (gasoline or diesel).



WITH BATTERY

Ref	BAT/48342	BAT/48343	BAT/48344	BAT/48345	BAT/48346
Voltage	12V	12V	12V	12V	12V/24V
Boost rate	1300A	1200A	1500A	1800A	4000A/3000A
Cranking rate	3500A	3200A	8000A	9000A	19000A/9000A
Recharge	230V	230V	230V	230V	230V
Charging capacity	12V 0,6A	12V 2A	12V 2A	12V 3A	12V 0,8/3,8A
Cable diameter	25 mm ²	25 mm ²	25 mm ²	25 mm ²	50 mm ²
Length of cables	78 cm	62 cm	154 cm	150 cm	168 cm
Weight	7,0kg	4,0kg	7,0kg	9,5kg	16,0kg
Dimensions	27 x 15 x 50 cm	19 x 13 x 24 cm	29 x 20 x 40 cm	29 x 20 x 40 cm	32 x 25 x 50 cm

ACCESSORIES



▶ **BAT/48348**
OB2 Memory cable START BOOSTER



▶ **BAT/48349**
NATO cable

BOOSTERS

WITH BATTERY

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START BOOSTERS

Automatic self-regulatory charger (220V), Cigar lighter socket charger 12V, Durable and heavy duty isolated quality clamps, ABS® shockproof case, Very resistant, for all eventual professional interventions and repairs, Handy weight; reduced to the maximum, Protected against surge points, Allows protecting electronic memories of vehicles, Excellent portable energy source.



FUSES FOR AQ-TRON START BOOSTERS

Ref.	Amp	Centre distance
BAT/48596	300A	40mm
BAT/48597	500A	40mm
BAT/38188	500A	50mm
BAT/48598	1000A	50mm

Ref.	BAT/48295	BAT/48296	BAT/48297	BAT/48339	BAT/48462	BAT/48340	BAT/48383
Voltage	12V	12V	12V	12V	6/12V	12/24V	12/24V
Boost rate	1600	2000	2500	3100	3200/1600	5000/2500	5400/2700
Internal battery	12V 14Ah	12V 18Ah	12V 22Ah	12V 23Ah	2 x 6V 50A	2 x 22Ah	2 x 12V 34Ah
Cranking rate	450A	750A	850A	1170A	2000/1000CCA	1700/850CA	2180/1090
Recharge	230V	230V	230V	230V	230V	230V	230V
Charging capacity	12V 0,6Ah	12V 0,6Ah	12V 1,5Ah	12V 1,5Ah	12V 2Ah	12V 4Ah	12V 7A
Cable diameter	25 mm ²	25 mm ²	25 mm ²	25 mm ²	50 mm ²	50 mm ²	50 mm ²
Length of cables	64 cm	55 cm	110 cm	110 cm	190 cm	165 cm	218 cm
Weight	5,8 kg	9,34 kg	9,5 kg	11 kg	27,05 kg	22,91 kg	32 kg
Dimensions	19 x 13 x 24 cm	27,5 x 14,5 x 33 cm	28 x 16 x 35 cm	28 x 16 x 35 cm	35 x 32 x 55 cm	32,5 x 19,5 x 43,5 cm	35 x 32 x 55 cm

SUPER CAPACITORS VS. LEAD-ACID (SLI) BATTERIES

	Lead-acid (SLI) Battery	ProCap Supercapacitor
Energy Storage	Chemical	Physical
Life	Short (1 – 4 years)	Long (8 – 10 years)
Charge Rate (Time)	Long (14 – 16 hours)	Short (15 – 30 seconds by an running alternator) 5-6H by supplied charger
Discharge Rate (Time)	Long	Short (15 – 30 seconds)
Energy Density	High	Low
Power Capability	Low	High (100 – 1000 times higher)
Maintenance	High	None
Operating Voltage Window	10.5 to 12.7	2 - 15
Cycle Life	Low (Average ~ 400)	High (Upwards of 1,000,000)
Charging Circuit	Complex (Different rates for different batteries)	Simple
Internal Resistance	High (Increases With Use & Age)	Very Low
Self-Discharge Rate	High	Very Low
(+) Plate Corrosion	Yes	Not Applicable
(-) Plate Sulfation	Yes	Not Applicable
Acid Stratification	Yes	Not Applicable
Resting Time	Moderate	Not Applicable
Disposal Problems	High (Contains LEAD)	Low (NO LEAD)