

CS FREE

# ADAPTIVE BOOSTER (JUMP STARTER ALTERNATIVE), BATTERY CHARGER AND MAINTAINER



*Adaptive Booster to power up flat batteries, and Portable Battery Charger to charge your vehicle battery wherever you are. Say goodbye to jump cables and jump starters. CS FREE powers up your flat battery safely, without risk of damaging your battery or vehicle electronics. Charge and maintain any 12V lead-acid or lithium battery anywhere using a power outlet, solar or leisure battery power.*

## **POWER TO GO, WHEREVER YOU ARE**

*The CS FREE is the ultimate all-in-one solution to quickly power up flat batteries and keep your vehicle batteries in peak condition wherever you are.*

*Adaptive Boost: Say goodbye to jump cables and jump starter packs. CS FREE powers up your flat battery swiftly and safely, without risk of damaging your battery or vehicle electronics.*

*Charge and Maintain: Whether you're connected to a mains power source, or going off-grid, CS FREE keeps your battery in optimal condition. Giving you the freedom to charge and maintain any 12V lead-acid or lithium battery, while utilizing mains power, a solar panel or a separate leisure battery, the CS FREE handles all your battery charging needs.*

*Hi-Tech Power Bank: Going beyond vehicle needs, CS FREE doubles as a high-tech power bank, allowing you to charge your USB-devices, whenever they need it, ensuring you are always connected on the go.*

- All-in-one solution to power up dead batteries and keep your vehicle batteries in peak condition
- Replaces jump starters and boosters with Adaptive Boost – the safest way to revive your dead battery
- Connect to a power source and turn the CS FREE into a 5A smart battery charger
- Charge and maintain any 12V lead-acid or lithium vehicle battery through a power outlet, solar panel or separate service battery
- User-friendly, with straightforward operation and clear instructions.
- No need to select modes—simply connect, and the CS FREE will handle the rest.
- Countdown function shows you when you have enough power to start the vehicle and the remaining time until your battery reaches a full charge.
- Charge it up, and the internal battery will remain fully charged for up to a year, always ready for when you need it.
- Equipped with USB-C and USB-A outputs to charge devices such as laptops, smartphones, and tablets.
- Features a new ergonomic design encased in a robust and durable housing.
- Comes with a 2-year “peace of mind” warranty

**CS FREE**



#### **TECHNICAL DATA**

INPUT	USB-C, 5 VDC - 25 VDC, 3 ADC/60 W max
OUTPUT	12 V, 20 A/240 W max
START VOLTAGE	3.0 V
AMBIENT OPERATING TEMPERATURE	-20 °C to +50 °C (- 4 °F to +122 °F)
AMBIENT STORAGE TEMPERATURE	-20 °C to +45 °C (- 4 °F to +113 °F)
BATTERY CHEMISTRY	Lead acid, Lithium
BATTERY TYPES	12 V: WET, MF, Ca/Ca, AGM, EFB, GEL, LiFePO <sub>4</sub>
BATTERY CAPACITY	10-130 Ah
DEGREE OF PROTECTION	IP54
WARRANTY	2 years
NET WEIGHT (UNIT WITH CABLES)	1.4 kg
DIMENSIONS (L x W x H)	248 x 98 x 78 mm
USB-A OUTPUT	5 VDC, 2.4 ADC/12 W max
USB-C OUTPUT	5 VDC, 9 VDC, 12 VDC, 15 VDC, 20 VDC, 3 ADC/60 W max

#### **MAINS ADAPTER**

INPUT	100 VAC - 240 VAC, 50 Hz - 60 Hz, 60 W max
OUTPUT	USB-C, 5 VDC - 20 VDC, 3 ADC, 60 W max
CABLE LENGTH	1 m
CABLE TYPE	USB-C

#### **INTERNAL BATTERY**

CAPACITY	66 Wh
CELL CHEMISTRY	Polymer Lithium-Ion
CELL TYPE	Pouch Cell
DISCHARGE TEMPERATURE	-20 °C to +50 °C (- 4 °F to +122 °F)
CHARGE TEMPERATURE	0 °C to +45 °C (32 °F to 113 °F)
SHELF LIFE	1 year
LIFE SPAN	300 cycles, 80%

#### **GIVING A SAFE START**

The CS FREE is an Adaptive Booster that will get you going from a dead battery within 15 minutes. It automatically analyzes the state of the battery and works out the safest way of giving it enough power to safely start the vehicle.

Unlike most boosters or jump starters, the CS FREE is sensitive to the state of the battery and only gives it the charge it needs to get you started - so it's completely safe for your battery and your sensitive vehicle electronics.

#### **GUARANTEED QUALITY WITH CTEK**

CTEK customer support is available to answer any questions related to charging and CTEK chargers. Safety, simplicity and flexibility characterizes all products and solutions developed and sold by CTEK.

CTEK supply chargers to more than 70 countries throughout the world. CTEK is also a reliable OEM supplier to many of the world's most prestigious car and motorcycle manufacturers.

For more information visit [WWW.CTEK.COM](http://WWW.CTEK.COM)