

A close-up, angled shot of the CTEK CS FREE portable battery charger and maintainer. The device is dark grey with a circular control dial on top featuring a 'START' button and a '1h' indicator. The CTEK logo is visible on the top surface. The device is resting on a dark, gravelly surface. An orange banner in the top right corner contains the text 'CS FREE'.

**CS FREE**

# **PORTABLE BATTERY CHARGER AND MAINTAINER WITH ADAPTIVE BOOST TECHNOLOGY**

**CTEK CS FREE** is the world's first truly portable battery charger and maintainer with Adaptive Boost technology.

You can charge and maintain any 12V lead acid or lithium vehicle battery anywhere without being connected to a power outlet.

And if your battery's flat, CS FREE's revolutionary Adaptive Boost technology will get you going within 15 minutes.

## **PORTABLE CHARGING WHEREVER YOU GO**

Just charge up CS FREE's internal battery and keep it with you wherever you go, and it'll stay fully charged for up to a year.

CS FREE features our revolutionary Adaptive Boost technology to quickly get you going from a flat battery. CS FREE automatically analyses the state of your battery and adjusts to the battery's voltage level. It then works out the safest and quickest way to give your battery the power it needs to start your vehicle within 15 minutes.

CS FREE works anywhere and can even be powered by solar or a 12V battery for longer term maintenance charging.

- Portable charging and maintaining you can take anywhere without being tied to a power outlet
- Internal battery lasts up to a year when fully charged
- Adaptive Boost, to safely get you going from a flat battery within 15 minutes
- Can be charged up and powered by solar or 12V battery for longer term maintenance charging
- No modes to select – just turn it on, connect and the CS FREE will do the rest
- Countdown function shows you how long there is left before your battery is fully charged
- USB-C and USB-A outputs for charging tech like laptops, smartphones and tablets
- New ergonomic design with a tough and durable case
- 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%

#### 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)