



Adaptive Battery Charger

ABC-812



Charge all your batteries twice as fast, with one lightweight, rugged solution

The ABC-812 Adaptive Battery Charger (ABC) is the intelligent, lightweight, portable battery charger built to stand up to the demands of expeditionary conditions.

The ABC can draw power from any source and charge different types of batteries at the same time, due to its intelligent power system. No special programming or configuring is required – it automatically evaluates the source of power and adjusts charge rates to maximize power, and minimize charge time.

It also prioritizes charging, so that the fullest battery is charged first - enabling the user to get back in operation as soon as possible with at least one fully charged battery.

The Adaptive Battery Charger's unique design results in a unit that is smaller in size, lighter in weight and lower in cost than other field-ready battery chargers – yet it delivers state-of-the-art performance.

NEVER RUN OUT OF POWER

Specifications

Battery Bays

4 Universal (accept up to 2 batteries per bay)

USB Ports

4 Ports, up to 5A

(compatible with iPad and other large devices)

Input

0-5VDC at 20A

Dimensions

50.5 × 40.0 × 18.8 cm (H×W×D)

Weight

4.5 kg

Operating Temperature

-20 to 55°C

Battery compatibility

- BB-2590/-390/-2800/
- BB-2600/-2557
- AN/PRQ-7 (CSEL) Battery
- AN/PRC-148 Battery
- AN/PRC-152 Battery
- AN/PRC-153 Battery
- Commercial AA/-C/-D size
- SkyRanger and Raven UAV batteries
- iRobot UGV battery
- SnapOn and DeWalt commercial tool batteries

Reliable, Easy-To-Use, and Field-Proven

- Rugged, impact-resistant, waterproof case ensures reliable operation in austere expeditionary environments.
- More efficient and twice as fast compared to other military chargers.
- Easily adaptable for different charging needs – just plug in a new battery adapter cup, no programming or software upgrade required.
- Currently in use with US Air Force, US Army, and NATO units.

ABC-812 Features and Functions

- Four interchangeable battery bays, each of which is fully protected against faulty batteries, short or open circuits, reverse polarity, and over voltage.
- The graphical display shows detailed battery status and diagnostics.
- Auto senses between civilian or military vehicles, adjusting charge rates to assure vehicle compatibility.
- Runs cool even while charging multiple batteries with 96-99% efficient power conversion.
- Uses SMBus to optimise charging of smart batteries – also quickly and safely charges “dumb” batteries.

