

ABC-812

Adaptive Battery Charger



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 management system, no special programming or configuring is required. The ABC-812 automatically evaluates the source of power and adjusts charge rates to maximize power and minimize charge time.

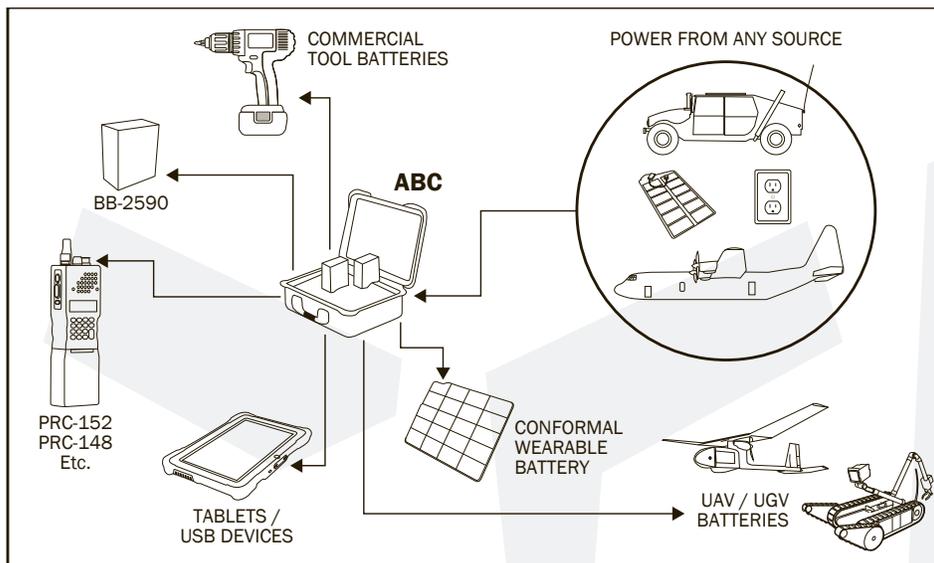
It also prioritizes charging, so that the fullest battery is charged first - enabling the user to get back in operation as soon as possible with at least one fully charged battery.

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.

The ABC-812 can be purchased from Protonex Technology Corporation and authorized Distributors and Vendors.

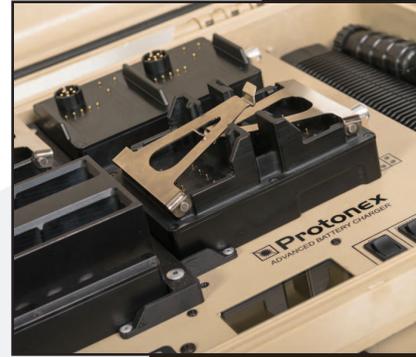
Reliable, Easy-To-Use, and Field-Proven

- ▲ 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.



Technical 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	7-52V at 20A
Dimensions	19.78" x 15.77" x 7.41"
Weight	13.4 lbs. (without AC Adapter or Battery Cups)
Operating Temperature Range	-20°C to 60°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



ABC-812 features and functions

- ▲ Four interchangeable battery bays, each fully protected against faulty batteries, short or open circuits, reverse polarity, and over voltage.
- ▲ 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 optimize charging of smart batteries – also quickly and safely charges “dumb” batteries.



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