

M250-CX

PORTABLE BATTERY CHARGER AND APU



ENABLE A WIDE RANGE OF MILITARY APPLICATIONS

- Field battery charger
- Vehicle mounted APU
- Dismounted forward base APU
- UGV and robotics power source
- Automatic battery charge maintainer

PROTONEX LEADS THE INDUSTRY IN HIGH-PERFORMANCE, ADVANCED POWER SYSTEMS FOR PORTABLE MILITARY APPLICATIONS

The M250-CX system is designed to meet the stringent demands of a wide range of battery charging and Auxiliary Power Unit (APU) applications. It is a lightweight, compact, rugged power system designed to withstand the harsh operating conditions of military field use. Protonex' unique system design combines both leading edge advances in fuel cell energy conversion and battery charging technology in one complete product solution, providing benefits for military users beyond what is available with existing battery and other fuel cell platforms.

M250-CX POWER SYSTEM BENEFITS

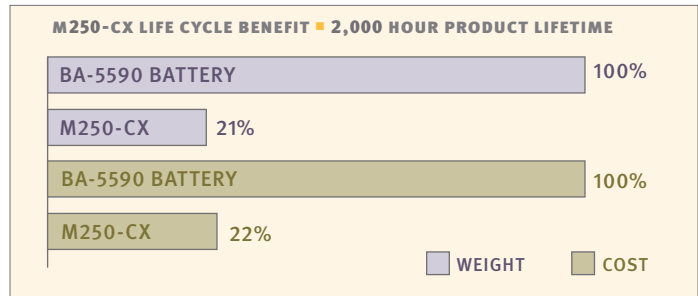
- Reduces logistics burden
- Lowers operational life cycle cost
- Reduces soldier carry weight and bulk
- Achieves near zero signature
- Offers flexibility for a wide range of applications

ACHIEVE NEAR ZERO SIGNATURE

The unique M250-CX system design achieves near zero signature, offering the lowest heat, noise and chemical emissions of any available bulk power source on the market today.

DRAMATICALLY REDUCE LOGISTICS BURDEN

The M250-CX dramatically reduces mission weight, volume and cost associated with disposable battery logistics by facilitating the widespread use of rechargeable batteries. Over a conservative 2,000 hour product lifetime, both weight and cost logistics burdens are reduced by nearly 80%.



THE NEXT GENERATION OF PORTABLE POWER™

FEATURES & FUNCTIONS

- Includes both charger and power source in one product
- Provides automated plug-and-play charger
- Charges up to 6 BB-2590 or 6 Li-80/145 batteries simultaneously at maximum rate
- Sequentially charges up to 30 batteries with companion FC-601 field chargers
- Alternate battery types are easily supported
- Provides quiet, efficient fuel cell power source
- Uses safe, clean, low cost methanol fuel
- Very low emissions allows use in tents or indoors
- Compatible with Protonex BPM-602 and SPM-611/612 power managers

M250-CX TECHNICAL SPECIFICATIONS

PERFORMANCE	Continuous Output Power	250 Watts
	APU Output Voltage	12 and 28 VDC Nominal
	Continuous Output Current	25 Amps
	Design Lifetime	2000 Hours
	APU Peak Output Power	500 Watts for < 10 minutes
	Fuel Usage	400 ml per hour at 250 W
PHYSICAL	Size	13 h x 13 w x 20 d inches (33 x 33 x 50.8 cm)
	Dry Weight	39 lbs (18 kg)
	Color	Desert Sand
	Operational Temperature	-20 to 60°C
	Relative Humidity	0–100%, Non-condensing
	Ruggedization	Meets applicable MIL-STD-810F
INTERFACE	APU Power Port	Military Connector
	Overcurrent Protection	Built In
	Display and Controls	LED/PC Interface
	Data I/O Port	USB, SMBus
FUEL	Type	Methanol & Water Mix
	Connection	External No-drip Quick Connect
	Standard Packaging	2.5 gallon Fuel Container

All specifications subject to change without notice.

ADDITIONAL PRODUCT OPTIONS

Protonex can also provide the M250-CX system in a number of optional configurations depending on your mission application. Options include: system and fuel packaging, mounting, DC and AC power outputs, and support for a wide range of rechargeable battery types and numbers of batteries under simultaneous charge.



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Protonex Technology Corporation ■ 153 Northboro Road ■ Southborough, MA 01772-1034

T 508.490.9960 ■ F 508.490.8575 ■ www.protonex.com