

The Epsilor logo features the word "Epsilor" in a bold, blue, sans-serif font. To the right of the text is a stylized graphic element consisting of a blue triangle pointing upwards and to the right, with a green and yellow triangle pointing downwards and to the right, creating a dynamic, arrow-like shape.

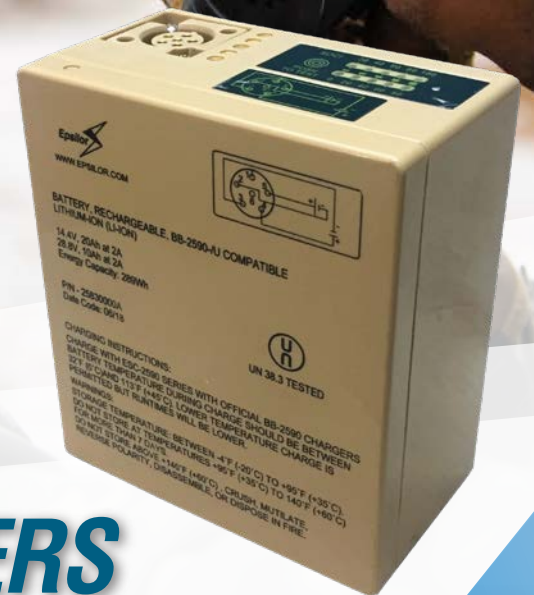
**STANDARD MILITARY BATTERIES
AND CHARGERS FOR U.S. MADE
TACTICAL COMMUNICATIONS EQUIPMENT**

BB-2590/U COMPATIBLE BATTERIES AND CHARGERS

X90/U is the most common military battery form-factor in the world. Introduced by the US ARMY decades ago, it has gone through several upgrades. Batteries with this form-factor serve dozens of different tactical applications and are found in almost any military.

Epsilor's BB-2590/U replacement batteries are fully compatible and have the identical mechanical, electrical and communication properties to the original equipment. Our offering enables military users to maintain high operational readiness and large battery stocks, while significantly reducing the maintenance budget required for such inventories.

With its wide range of BB-2590 compatible tactical chargers, Epsilor provides a comprehensive solution for US made tactical radios and numerous tactical systems.



POWER TO DEFEND

www.epsilor.com

IMAGE: US DOD



Epsilor



BB-2590 BATTERIES

Product Name	Description	Voltage	Energy Capacity	Capacity (Nominal)	Max Current	Charging cycles	Operational Temperature Range	Dimensions	Weight
BB-2590	Standard BB-2590 Replacement	14.4 / 28.8 in two separate packs	230Wh	7.98Ah / 15.9Ah	18A	300-500 (100% DoD, down to 80% of initial capacity)	-20°C to 60°C	(L;W;H) 126.8mm 111.6mm 62.6mm	1,360gr
BB-2590-PH	High Energy Density		300Wh	10.5Ah/ 21Ah	18A		-20°C to 60°C		1,360gr
BB-2590-LT	Optimal performance in low temperature		250Wh	8.7Ah/ 17.4Ah	18A		-32°C to 60°C	(L;W;H) 5in 4.4in 2.5in	1,360gr
BB-2590-NC	Low budget alternative where communication electronics are not required		Available in all configurations		18A		Available in all configurations	1,360gr	

APPLICATIONS

- Tactical radio communications [e.g. AN/PRC-119 SINGGARS; AN/PRC-117, PRC-150 and equivalent export configurations]
- Sensors, surveillance and thermal imagers
- Tactical and ordnance disposal robots
- Remote and unattended sensor devices
- Autonomous vehicles and ground stations

Epsilor batteries meet transportation safety requirements as well as applicable military standards (including UN-38.3, MIL-STD-810, and UL-1642 for cells) and are manufactured under ISO-9001:2015 and AS9100D quality systems.



CHARGERS FOR BB-2590 BATTERIES

Epsilor's chargers for BB-2590 batteries were designed to provide military units with field and depot charging capability. With a flexible power-in interface, our chargers may be powered from the electric grid anywhere in the world as well as from all vehicles with 12V and 24V power networks. Offered with single, dual and quadruple charge channels, Epsilor's ESC-2590 chargers can support units with multiple energy requirements under a wide range of environmental conditions. ESC chargers offer fast tactical charging within cost effective budget.

ESC-2590 CHARGER FAMILY

- ESC-2590-I – single channel desktop
- ESC-2590-D – dual channel tactical
- ESC-2590-Q – four channel tactical



BB-2590/U COMPATIBLE BATTERIES

REPLACEMENT FOR BB-2590/U STANDARD MILITARY BATTERIES

- Contains 2 separate packs that provide 14.4V or 28.8V (nominal)
- Comply with SMBus v1.1 communication protocol
- UN/DOT-38.3 transportation safety certificate
- ITAR free
- LED based State of Charge Indicator (SOC)

Epsilor's BB-2590 is available in several configurations with standard energy capacity, high energy capacity, excellent performance in cold temperatures and a low cost configuration with no communication circuitry.



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ABOUT EPSILOR

Epsilor is the Defense and Aerospace activity of Epsilor-Electric Fuel Ltd. which forms part of Arotech Corporation's Power Systems Division. The division operates R&D and manufacturing facilities in the United States and Israel.

Epsilor-Electric Fuel is a recognized world leader in the development and production of portable power products for the defense, aerospace, marine and medical industries. The product range includes batteries in a wide variety of electrochemistries, including Lithium Ion, Lithium Polymer, Nickel Metal Hydride and Zinc Air.

HOW CAN WE HELP YOU? CONTACT EPSILOR AT:

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