

MERLIN POWER EXPEDITIONARY

MP-X Hybrid Mobile Power System

11.2kW

POWER OUTPUT

9 hours

SILENT RUNNING at 3kW

AGM / Li-Ion

BATTERY OPTIONS

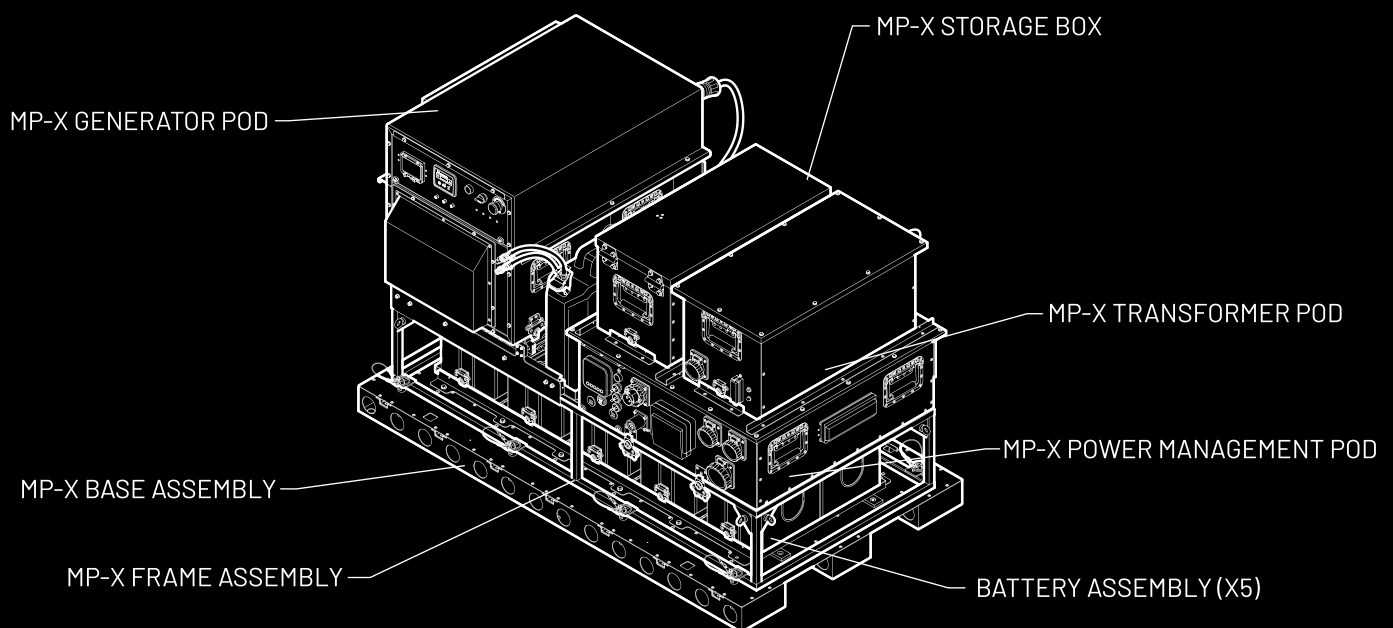
OVERVIEW

MP-X is a mobile power system designed to support forward operations. It works as a self-contained mobile power supply, as part of a larger FOB electrical supply, or as a UPS to support critical systems. The system is modular and man-portable, transported in a pickup vehicle or trailer, and rapidly deployed without MHE. It can also be operated while loaded on a vehicle.

Its hybrid power system combines batteries, a DC-AC inverter, generator and automatic control to provide silent periods of operation, continuous high power output, and seamless backup that keeps systems running through power cuts or external generator shut-downs.

DESIGNED FOR

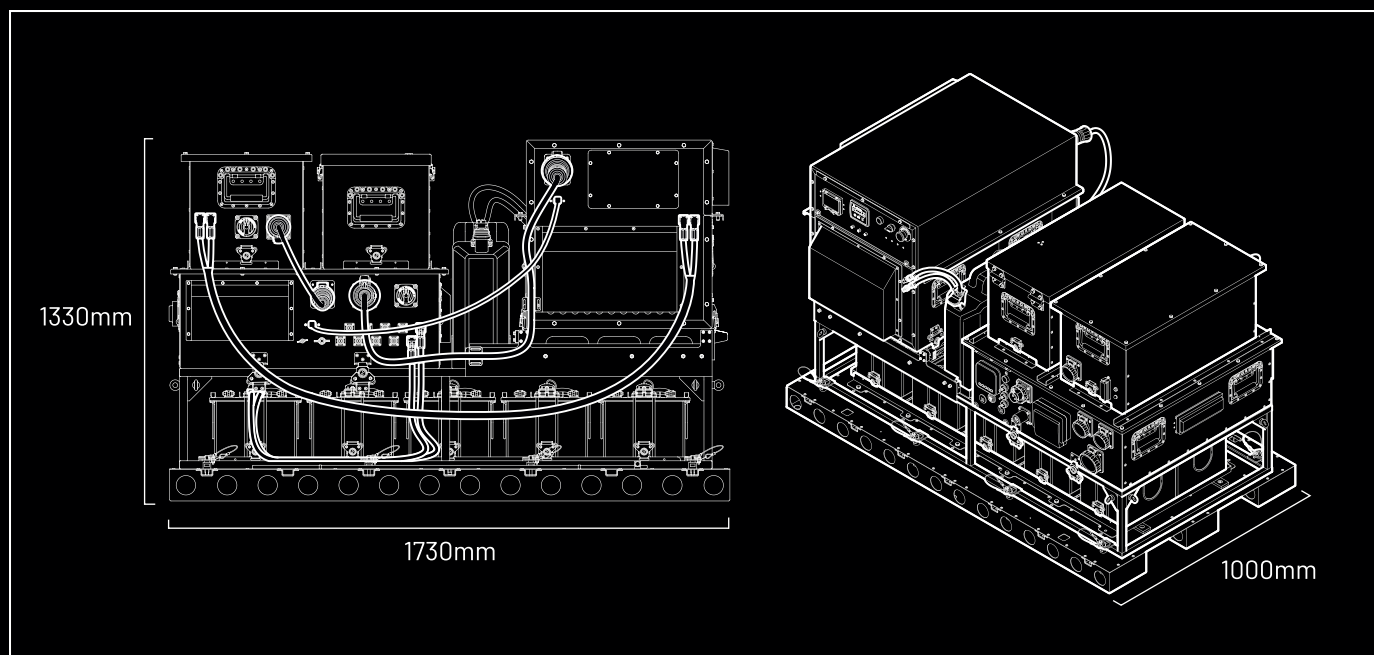
- General expeditionary power requirements
- Powering Forward Echelon
- Welfare, comms, C-UAS, ECM & weapons systems
- UPS for computer, medical & comms networks
- Recharging vehicle batteries & boost starting
- Safe transportation by air, sea or land vehicle



MP-X SPECIFICATION

DC OUTPUTS	11.2kW
AC OUTPUTS	1 x 110V 16A AC Commando (6A 700W continuous / 13A 1500W intermittent) 2 x 230V 13A AC (UK Domestic/BS1363/Type G) - (2x 13A 3000W each) 2 x 230V 16A AC Commando (2x 16A 3.7kW each) 1 x 230V 32A AC Commando (1 x 32A 7.4kW)
POWER OUTPUT	Pure Sinewave THD <5%, Voltage Regulation +/-5%, +/- 0.01Hz
BATTERIES	AGM Option: EnerSys ArmaSafe 6T. Total Capacity 630Ah 24V Lithium Option: Li-Ion. Total Capacity 1500Ah 24V
DIMENSIONS	1730 x 1000 x 1330 mm (LxWxH)
MASS	AGM Option: 747kg Lithium Option: 627kg
PART NUMBER	100-0010 MP-X System - Lead Acid AGM 100-0009 MP-X System - Lithium Li-Ion
NATO STOCK NUMBER (NSN)	SMALL FIELD POWER SYSTEM (MP-X) - AGM: 6110-99-368-1811 SMALL FIELD POWER SYSTEM (MP-X) - LI-ION: 6115-99-936-7989

MP-X DIMENSIONS



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