



Military Grade Power Supply (MPS) & Programmable Power Supply (MPPS) Military Grade Power Supply (MPS) & Programmable Power Supply (MPPS)

SynQor's [Military AC-DC Power Supply](#) units are designed for the extreme environmental and demanding electrical conditions of Military/Aerospace applications. SynQor's MPS & MPPS incorporate field proven high efficiency designs and rugged packaging technologies. This MPS & MPPS will accept a 3-Phase input with a wide range of input voltage and frequency values. The MPS delivers a well-conditioned continuous 4000 W (5250 W transient), DC semi-regulated regulated output. The output voltage droops for system stability and for load sharing when units are in parallel. The MPPS delivers a well-conditioned output to the load. The output voltage and output current limit can be adjusted on the fly via RS-232 or web interface. Current sharing allows multiple units to be used in parallel. The MPS & MPPS are designed to comply with a wide range of military standards in SynQor's USA headquarters and manufacturing facilities.

MPS/MPPS Product Features

- Sealed, weather-proof, shock-proof construction
- 4000 W output power
- Adjustable output voltage and output current limit (MPPS)
- Semi-Regulated 24 V-48 V output voltages (MPS)
- Full power operation: -40°C to +55°C
- 3-Phase input: 80-265 Vrms line-to-line; 47-800 Hz
- Power factor correction at AC input
- Up to 8 units can be combined for higher power
- User I/O and Configuration signal port
- Synchronized start and stop of multiple units
- Battle Mode for over-temperature events
- 1U high rack-mount unit (17.00" x 20.42")
- Low weight: 28 lbs.

Specification Compliance

- MPS & MPPS units are designed to meet:
- MIL-STD-1399-300 - Interface Shipboard
- MIL-STD-810 - Environmental Engineering
- MIL-STD-461 - Electromagnetic Interference
- MIL-STD-704 - Aircraft Electrical Power