The Mobile Frequency Converter is a four wheeled, manually propelled vehicle designed for flight deck conditions as well as land based theaters. The cart features an integrated power frequency converter that converts 380/440 VAC 50/60 Hz input power to 115 VAC 400 Hz, 270 VDC and 28 VDC aircraft power.

**Standard Features:**

- AC Output: 115/200 VAC, 400 Hz, 72 kW, Meets MIL-STD-704F
- DC Output: 28 VDC, 600 A Continuous, 2000 A Peak, Meets MIL-STD-704F*
- DC Output: 270 VDC Main, 72 kW, Meets LMCO F-35 Requirements*
- Smart Control User Interface
- Built-In Test Diagnostics (BIT) with Fault Recording
- Rugged Four-Wheeled Trailer, Hand Brake System, SAE AS 8090, Type II, Group C

*Denotes Optional Requirement
Specifications

270 VDC Main Output (Optional)
- Meets or Exceeds F-35 (JSF) Specifications as recognized by LMCO
- Meets or Exceeds MIL-STD-704F
- Ratings: 72 kW (continuous)
- Overloads: 125% - 5 minutes
- 200% - 5 seconds
- Fully Adjustable Current Limiting
- Integrated Unit-Cable Interlock

Environmental
- Temperature, MIL-STD-810F Method 501.4, 502.4 Operating -40°F to +125°F (-40°C to +52°C); Non-Operating -60°F to +160°F (-51°C to +71°C)
- Humidity, MIL-STD-810F, Method 509.3
- Salt Fog, MIL-STD-810F, Method 506.4
- Blowing Sand, MIL-STD-810F, Method 510.4
- Wind, MIL-STD-810F, Method 506.10
- Vibration, MIL-STD-167-1
- Rail Impact, MIL-STD-810F, Method 516.5
- Air Transportability
- Tie Down, MIL-T-81259B

Military & Commercial Standards
- MIL-STD-704F
- MIL-STD-167-1
- MIL-STD-810F
- MIL-STD-209
- MIL-STD-889
- MIL-STD-1472
- F-35 (JSF) LMCO (Approved)

Dimensions & Weight
- Dimensions 42”H X 43”W X 79”L
- Weight 2250 lbs.

Maintenance
- Mean Time to Repair <120 minutes

Protection
- AC Output: Over/Under Voltage, Over/Under Frequency, Overload
- DC Outputs: Over/Under Voltage, Overload, Short Circuit
- Internal: Door Interlock, Contactors Stuck (Open/Closed), Internal Power Supply Voltage, Converter Fail

Controls / Indicators
- Smart Control User Interface
- Sealed, tactile feedback membrane panel
- Integrated Built-In Test (BIT)
- Front Control Panel
  - Fault Code Display with Indicators
  - Adjustable Brightness Indicator Lamps with ON/OFF
- LED Display Input/Output
  - Voltage
  - Amperage
  - Frequency
- Cable Interlock Status Indicators
- Line Drop Comp, User Adjustable
- Output Voltage, User Adjustable
- Emergency Stop Switch
- Door Interlock Switch
- Elapsed Time Hour Meter

Specifications subject to change without notice