345ASX-UPC3/M99074

Mobile Power Conditioning Unit (MPCU)

4,500VA
400 Hz
3Ø 115V_{L-N} /200V_{L-L}

GSA Advantage!®
GSA Contract # GS-07F-6056P

MPCU with front cover removed & included operation manuals

Product Features

- Three phase, solid state AC power source with programmable controller
- Rated output of 12 Arms per phase
- Overload rating of 20Arms per phase
- "Soft-Start" slow turn-on circuit to limit inrush current when used with 'soft' AC power lines
- Rear-panel mounted FSL4-FR female power output receptacle
- Special firmware controls AC output voltage and frequency to ensure output power cannot be re-programmed or reset outside of Mil-Std 704 limits
- Installed in hardened, stackable transit case with integrated wheels, handles and removeable covers

Approvals

- GSA Listed with consolidated accounts
- (NNMSB) Airforce and Navy Nonnuclear Munitions Safety Boards
- CV/CVN major ship alteration program
- (WSESRB) Weapons Systems Explosive Safety Review Board

Model 345ASX-UPC3/M99074

The Pacific Power Source Model 345ASX-UPC3/M99074 AC Power Source with Programmable Controller was specifically designed to provide the entire fleet with a rapidly deployable means of providing the necessary power requirements for the testing and programming of all current and new generation "Smart" weapons. This includes 9X, AMRAAM, JDAM, JSOW, etc. both aboard ship and at various land operational sites. For ready deployment in support of land based operations, this model is available pre-installed in a hardened, shock mounted, transit case.

The 345ASX-UPC3/M99074 Mobile Power Conditioning Unit (MPCU) is a fully integrated AC Power System designed to convert 50 or 60Hz. AC Power into precision controlled, 400Hz regulated power. Its continuous 12 Arms per phase current rating and 20 Arms overload rating fully support the higher power demands of modern targeting systems.

FREQUENCY, VOLTAGE AND PHASE CONVERSION

The 345ASX-UPC3/M99074 MPCU is fully capable of converting utility power or shipboard, 440V, 60Hz, three phase power to the Mil-Std 704 required 400Hz, 115V/200V three phase AC power for test purposes. A FSL4-FR type female receptacle installed in a custom junction box on the rear of the AC power source makes connection to the test unit simple and safe.

MPCU with front cover removed showing 345ASX-UPC3/M99074 front panel

MPCU with rear cover removed showing rear 400Hz output receptacle on the 345ASX-UPC3/M99074

PACIFIC® POWER SOURCE

THE POWER OF EXPERTISE

400 Hz FREQUENCY | AEROSPACE | R & D | MILITARY | MANUFACTURING | CUSTOM

Transit Case Features:

- Composite Compression Molded Exterior Case
- Riveted Composite and Aluminum CEA-310 Equipment Rack Mounts
- Eight Diagonally Attached Shock Mounts
- 10-32 Nut-Bar Fasteners for Equipment Front Panel
- Removable Front and Back Covers for Unrestricted in Case Equipment Operation
- External Draw Pull Latches
- Water Tight Cover Closures
- Pressure Relief Valve
- Case-to-Case Stacking Capability
- Recessed Hardware
- Integrated Wheels

Integrated nylon ball-bearing wheels

Stainless steel latches

Sturdy comfortable handles & pressure relief valve

TECHNICAL SPECIFICATIONS

345ASX-UPC3/M99074

Rated Power[1] (VA)	Output Form	Output Voltage[2] (Vrms) L-N / L-L	Current[3] (Arms)	Output Frequency (Hz)
4500	3 Phase + Neutral	115 / 200	12 / phase	400

NOTES:
1. Rated output power is based on a combination of nominal output voltage, rated current and load power factor. Values stated represent the maximum capabilities. Consult factory for assistance in determining specific unit capabilities as they might apply to your application.
2. Vmax is output voltage with nominal input and full rated load applied.
3. Available current will vary with output voltage and power factor.

AC Input Voltage	208V 3ø Δ ±10%	220V 3ø Δ ±10%	240V 3ø Δ ±10%	220/380V 3ø ±10%	230/400V 3ø ±10%	240/416V 3ø ±10%	254/440V 3ø ±10%
Input Current	23Arms	22Arms	20Arms	13Arms	12Arms	12Arms	Cost option
Recommended Service	40A	40A	40A	20A	20A	20A	Consult factory

* Power Source equipped with soft start feature. In-rush current at application of input power will not exceed recommended input service.

The Leader in AC Power Technology

An early pioneer in the development solid-state power conversion equipment, Pacific Power Source continues to develop, manufacture, and market both linear and high-performance PWM AC Power Sources. Pacific's reputation as a market and technology leader is best demonstrated by its continuing investments in both research and development and world-wide customer support. With corporate owned offices in the United States, Germany, the United Kingdom, and China, local personalized support is always available.

Ordering Information

Model

Model: 345ASX-UPC3/M99074
Specify AC Input configuration
Contact factory fir other options

Contracts Info

Vendor: Pacific Power Source, Inc.
Tax ID: 33-0893748
DUNS Number: 19-667-1007
Cage Code: 3XXE0
GSA Contract: GS-07F-6056P

Delivered Items

- AC Power Source in Transit Case
- English User Manuals
- Compliance Certificate with Test data

Case Dimensions

Height: 13"/30 mm
Width: 22.47"/571 mm
Depth: 28.5"/724 mm with covers removed
34.5"/876 mm with covers installed

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