Introducing Powervar's
3400 Series Three Phase UPS

kVA: 80/100/125k VA kW: 80/100/125kW

Imagine power protection that keeps your business running continuously, at peak efficiency, with lower costs, and remote system monitoring – all within the smallest footprint in the industry.

Powervar's 3400 Three Phase UPS does just that.

Powervar has built a reputation for unsurpassed reliability and superior design. Our 3400 Series UPS supplies continuous, clean power regardless of what happens on the power supply side. Utilizing the latest in IGBT technology, three level IGBT's enable the 3400 Series to achieve a 96.3% efficiency (AC to AC). This translates to more data center space, additional computer racks, and overall operational savings.

IGBT Technology

- The most advanced three step IGBT's in the industry
- Inrush current capability to withstand up to 300% for 240 msec

Reliability

- Powervar solutions are time tested with over 30 years of leading-edge power solutions
- Two-year product warranty

Transformer-less Design

- High efficiency rate, up to 96.3%
- One of the smallest footprints in the industry

Serviceability

- Convenient front access
- Wide input voltage window: +15/-20%

Communications

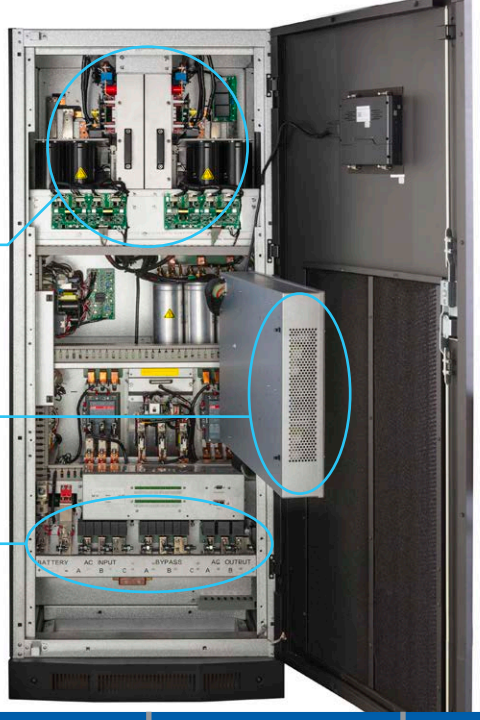
- Remotely monitor and manage UPS with integrated SNMP network card and Modbus
- State of the art screen for monitoring functionality

Easy Front-end Accessibility for Service

Three Step IGBT Technology
Gate Drive Board

Main Controller (DSP) Digital Signal Processing Board

Terminal Connections
Input/Output/Battery Terminals



kVA Size	kW	Efficiency	Input Voltage (VAC)	Overload Inrush Capability	Size (in) (W x D x H)	Ship Weight (lbs)
80kVA	80kW	96.3*%	+15/-20%	300% for 240 msec	27.5 x 32 x 71	882
100kVA	100kW	96.3*%	+15/-20%	300% for 240 msec	27.5 x 32 x 71	882
125kVA	125kW	96.3*%	+15/-20%	300% for 240 msec	27.5 x 32 x 71	882

Input Load Specifications:

480VAC (3 phase, 3-wire)
Input Voltage Range (+15%, -20%)
Power Factor (0.99 100% load, 0.98 min. 50% load)
Input THDi (1% - 100% load, 2%-50% load)
Frequency Range (43-67Hz)

Agency Approvals

UL1778, cUL, CSA 22.2
ISO 9001 Quality Assurance Program
EMI Compatibility: FCC Title 47, Part 15, Subpart B

Communications

RS485/232 Communication ports (Standard)
SNMP Compatible (Standard)
(8) Digital Programmable Inputs (Standard)
(8) Programmable Dry Contact Outputs (Standard)
Paralleling Capable

Accessories

Matching Transformer Cabinets
Matching Battery Cabinets
Matching Maintenance Bypass System Cabinets
DC Disconnects
Wall-mounted External Maintenance Bypass Systems
Remote Monitoring Panel (RMP)
Power Distribution

Output Specifications:

480VAC	(3 phase, 3-wire)
Overload Capacity (w/utility)	(300% for 240 milliseconds) (150% for 60 seconds) (125% for 10 minutes)
Efficiency	(Up to 96.3%)
Output Voltage Regulation	(+/- 1%)
Output Frequency	(50/60 Hz)
Operating Temperature Min. F/(C)	32 / (0)
Operating Temperature Max. F/(C)	104 / (40)
Storage Temperature Min. F/(C)	-4 / (-20)
Relative Humidity	0-95%, non-condensing
Operating Elevation ft/(m)	3,300 (1,000)
Audible Noise	Less than 69dba @ 1 meter

World Headquarters:
1450 Lakeside Drive
Waukegan, IL 60085
1-800-369-7179
(F) 847-596-7100

United Kingdom
Powervar, Ltd.
Unit 5, Birch-Kembrey Park
Swindon, Wilts SN2 8UU UK
(P) +44 1793 553980
(F) +44 1793 535350

Germany
Melkwag 16
3310 Paderborn
(P) +49(0) 5251 390 63 64

Canada
700 Finely Ave., Unit 3
Ajax, Ontario L1S 3Z2
(P) 905-239-9284
(F) 905-239-7284

Mexico
Powervar Mexico, S.A. DE C.V.
Camino a la Montana
No. 178-101 & PB4
Fracc. Industrial La Perla,
53340 Naucalpan, Edo. De Mexico
(P) (52) 55 5363 5448

POWERVAR Solutions for Power Quality®

AMETEK®

www.powervar.com

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