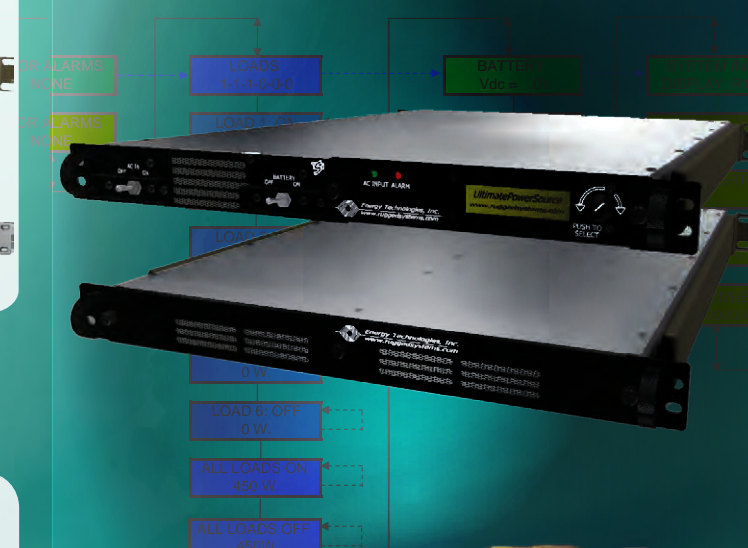


ULTIMATE POWER SOURCE™

MAXIMUM POWER IN THE SMALLEST FORM FACTOR



Energy Technologies Inc.

Rugged Power ♦ Global Solutions

www.UltimatePowerSource.com

1U External PDU

Options

- External Remote PDU with six controlled outputs, EPO, status lights and alarm reset
- Additional battery pack for extended backup time
- Battery pack uses existing UPS battery modules
- Many output connector configurations are available; NEMA 5-15, MS or other combinations
- Remote Monitoring and Control available by WAN



About Energy Technologies, Inc.

Energy Technologies, Inc. (ETI) has been working closely with industry for over 20 years developing innovative power solutions to meet their myriad of requirements and application scenarios. This includes our environmental control units, backup power systems (AC & DC UPS), global power conditioning (automatic voltage and frequency conversion, AC & DC power supplies) and power generation (engines, solar panels and fuel cells) These are available in both portable and stationary designs with or without intelligent interoperable interfaces. Thousands of the resulting products are currently deployed around the world on the land, sea and air by various military, industrial, telecommunications, medical and humanitarian organizations.

Contact Energy Technologies, Inc.

Voice: 1.419.522.4444
Fax: 1.419.522.4466
email: sales@UltimatePowerSource.com
Web: www.UltimatePowerSource.com

Battery Expansion Module (BEM)

1U Battery Expansion Module (BEM)

- Same interchangeable Battery Modules used in the UPS
- Two hot swappable Battery Modules per BEM



2 kW UPS with two BEMs for 50 minutes of backup time



1-Phase or 3-Phase Power Configurations

ETI's line of Ultimate Power Source systems allow for 1-Phase or 3-Phase AC input or output Configurations.

With the ability to parallel up to 32 UPS modules, 1-Phase configurations are available from 2 kW to 64 kW in 2 kW increments; 3-Phase configurations are available from 6 kW to 192 kW in 6 kW increments.

ETI offers 1-Phase and 3-Phase capabilities for both Mil-Spec and rugged COTS UPS. These configurations include 1-Phase input with 1-Phase output, 1-Phase input with 3-Phase output, 3-Phase input with 3-Phase output, and 3-Phase input with 1-Phase output.



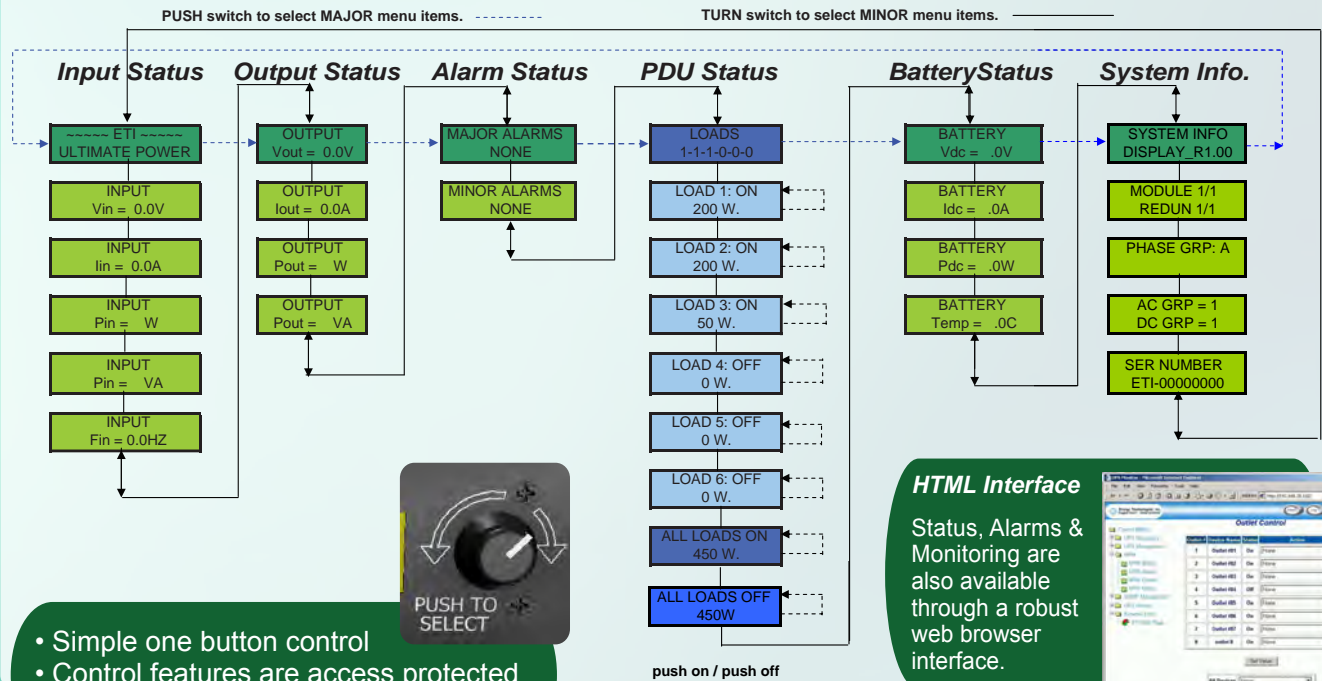
12 kW 3-Phase
UPS system with
4 kW per phase

Features

- 2000 Watts, 2500 VA output power per module
- Up to 32 units can be combined for increased power rating, reliability and configuration options
- N+1 redundancy: Increased reliability
- Full power operation from -20°C to +60°C
- 1-Phase or 3-Phase AC input/output configurations
- Pure sinusoidal AC output voltage
- Power factor correction at AC input
- True on-line double conversion
- Cold start with no AC or DC input connections
- Handles both linear and non-linear loads
- 10+ minute run-time per battery module at 2000 W
- Battery expansion available for increased run time
- Field replaceable, hot swap battery modules
- High reliability and high capacity lithium iron phosphate battery
- Available in MilSpec, COTS or custom versions
- 1U high rack mount unit (1.73" x 19" x 23.0")
- Light weight: <40 lbs. including battery
- Meets mechanical shock and vibration standards
- Multiple output connector configurations
- User I/O and Configuration signal ports
- MilSpec and ROHS compliant

Electronic Interface

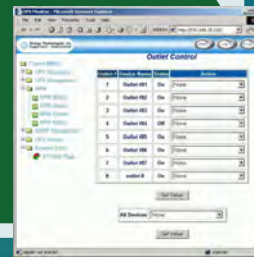
1U - Display Flowchart



- Simple one button control
- Control features are access protected
- PDU built in for six (6) outputs

HTML Interface

Status, Alarms & Monitoring are also available through a robust web browser interface.



Ultimate Power Source 1U UPS



Output Power AC Input Voltage Options AC Output Voltage Options

2000 Watts, 2500 VA	80-140 Vrms 150-265 Vrms @ 47-65 Hz	115 Vrms or 230 Vrms 50 Hz or 60 Hz
---------------------	---	--

DC Input Voltage Option Battery Run Time

48 V nominal or 28 V nominal optional	10 Min. @2000 W 20 Min. @1000 W (Lithium Iron Phosphate)
---------------------------------------	---

Battery Modules Configuration

Hot Swappable Light Weight Lithium Iron Phosphate	Parallelable (up to 32) 1 or 3 Phase AC in/out	150% Power for 5 sec. 110% w/o degradation	95% Enhanced Power Conversion 90% Online
---	--	---	---

Internal Power Distribution Unit (PDU)

- True output isolation
- Individual output control
- PDU shutdown feature
- Individual load Status
- Start up configuration control
- All outlets are on in UPS by-pass mode
- Auto tracking in redundancy configuration
- Password access required for control functions
- Load Level Status updates to main menu
- No Intelligent Interface required.

Hot Swappable

ETI offers a hot swappable paralleling interface, with self aligning pin protected connectors. Fully adjustable for any rack configuration.



Multiple output connector configurations available to fit your application



Backplane shown with MS connectors TCPIP/HTML Interface