



Ultimate Power Source™

Ultra Compact UPS

Part #: ETI0001-3230

Output Power	AC Input Voltage Options	AC Output Voltage Options	DC Input Voltage Options	Battery Run Time
2000 Watts, 2500 VA	80-140 Vrms 150-265 Vrms @ 47-65 Hz	115Vrms or 230Vrms 60Hz or 50Hz	28 V nominal or 48 V nominal	13 Min. @ 2000 W 26 Min. @ 1000 W Lithium Iron Phosphate

Rugged, Compact, Light Weight with N+1 Parallel Redundancy



Designed & Manufactured in our ISO 9001-2008 certified facilities in Mansfield, OH, USA.

Battery Modules	Configuration	Overload Capabilities	Efficiency
Hot Swappable Battery Modules Light Weight Lithium	Paralleable (up to 32 Units) 3 Phase AC output	150% Power for 5 sec. 110% w/o degradation	95% Enhanced Power Conversion 90% Online

Energy Technologies Inc. (ETI) introduces the industry's most powerful 1U high UPS. This 1U high UPS produces a full 2000 Watts continuously from -20 C° to +60C° ambient with thirteen minutes of battery backup at 2000 Watts (150% overload for 5 seconds, 110% continuous overload).

The UPS is equipped with Lithium Iron Phosphate batteries that provide the lowest weight, maximum backup performance and safest operation. Several options are available to support your applications such as custom designed input and output configurations, dual source input, intelligent interfaces and load management. The UPS can be configured for 1-phase or 3-phase applications with field swappable N+1 redundancy and can be paralleled up to 32 units.

Combine up to 32 units for increased 1-phase or 3-phase AC output!

Features

- 2000 Watts, 2500 VA output power
- Hot swappable battery pack (lithium iron phosphate)
- Full power operation: -20°C to +60°C
- Power factor correction at AC input
- True on-line double conversion
- Cold start with no AC or DC input connections
- Pure sinusoidal AC output voltage
- Handles 0.0—1.0 power factor loads & non-linear loads
- Up to 32 units can be combined for increased power, or configured for 3-phase AC output
- 13 minute run-time batteries at full power (2000 Watts)
- User I/O and Configuration signal ports
- 1U high rack mount unit (19" x 23.0" with flanges)
- Shock-proof construction
- Light weight: <40 lbs. including battery
- ROHS compliant

Options

- Extended battery pack for longer backup time
- 115 Vrms or 230 Vrms AC output
- 48V or 24V nominal DC input
- Dual source inputs using an AC and a DC source
- Dual source inputs using two different AC sources

Ultimate Power Source™ 1U, Ultra Compact UPS

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Technical Specifications

INPUT CHARACTERISTICS

Operating AC Input

Voltage Range:	80-140 Vrms or 150-265 Vrms
Frequency:	47-63Hz
Input Power Factor:	>0.99 at 47-65Hz
Maximum Input Current Continuous:	20A (full load, 85Vrms)
AC Input Circuit Breaker Rating:	25A

Operating DC Input (Optional)

Nominal Voltage (DC):	48 V or 24 V
Voltage Range (DC):	40 - 60 V or 18 - 32 V
Voltage Ripple:	2 mV
Continuous Maximum Input Current:	60A (full load)

OUTPUT CHARACTERISTICS

Total Combined AC and DC Power:	2000 W (2500 VA)
Overload:	150% - 5 seconds 110% - continuous w/o degradation
Maximum AC Output Power:	2000 W (2500 VA)
Maximum DC Output Power:	1250 W

AC Output

AC Output Waveform	Pure Sinusoidal
Voltage:	115 Vrms ± 3% or 230 Vrms ± 3%
Frequency:	60 Hz ± 0.5% or 50 Hz ± 0.5%
Peak Load Current:	20A (115Vrms) 10A (230Vrms)
Load Power Factor:	0-1.0 (leading or lagging)
Total Harmonic Distortion:	< 1.5% (2000W resistive load)

DC Input (optional)

Nominal Voltage (DC)	48V or 24V
Voltage Range (DC)	40 - 60 V or 18 - 32 V
Nominal Ripple	2m V

ENVIRONMENTAL CHARACTERISTICS

Temperature

Operating Temperature	-20°C — +60°C
Storage Temperature	-40°C — +70°C
Relative Humidity	95% Non Condensing

Altitude

Operating	0 - 15,000 ft
Non-operating	0 - 40,000 ft

Environmental Tests

Shock/Drop	Zone 4
Vibration	Zone 4
Fungus	Method 508.6
Salt Fog	Method 509.5
Sand and Dust	Method 510.5, Procedures 1,2
Rain	Method 506.5
EMI	FCC & EN compliant
Humidity	Method 507.5

MECHANICAL CHARACTERISTICS

Standard 1U Battery Pack

Chassis Size (H x W x D)	1.73"(1U) x 17" x 23"
(with rack mount flanges)	1.73"(1U) x 19" x 23"
Case Material	Steel chassis and flanges
Total Weight	<40 lbs. (with chassis & battery)

