3 YEAR WARRANTY

UNITI®

Echo UPS Range

Compact Online Power for Modern IT Environments

The Uniti Power Echo series delivers reliable online double-conversion protection in a compact 2U rack-mount design. Built for networking, security, retail and distributed IT, Echo provides clean, stable power where space is limited and uptime matters.

www.unitipower.com

UNITI® Echo UPS Series

Reliable Online Protection in a Space-Saving Form Factor

Modern IT environments demand dependable power without the footprint of traditional UPS systems. Uniti Power Echo is engineered specifically for these applications. With true online double-conversion, wide-range voltage tolerance and a compact short-depth design, it provides professional-grade protection for:

◆ Network and communication racks
◆ Security and CCTV systems
◆ Retail and POS equipment
◆ Distributed IT and edge computing
◆ Small servers, firewalls and switches

Whether you're securing essential connectivity or maintaining critical services during power instability, Echo delivers consistent, clean output that protects your equipment and reduces downtime risk.

Key Features

True Online Double-Conversion	Compact 2U Short-Depth Rack Design	High 0.9 Output Power Factor
Continuous isolation from mains disturbances, including sags, spikes, frequency shifts and waveform distortion.	At **only 428 mm deep**, Echo fits comfortably in comms racks, wall cabinets and space-restricted IT installations.	The **3kVA external-battery** model contains no internal batteries, allowing an ultra-short footprint and runtime scalability via the Echo 72V Battery Pack.
Wide Input Voltage Window - 90 to 275 VAC	**Extended Runtime Options (3kVA ER Model)**	**Programmable LCD Interface**
Minimises battery use during unstable mains conditions, extending overall battery lifespan.	**Clear real-time display** for load, battery capacity, input/output values, alarms and operating mode.	Provides more **usable power** for modern IT loads and networking hardware.
Zero-Transfer Protection	**EPO & ROO Support**	**Quiet Operation**
Online topology ensures uninterrupted 0 ms switchover during power failures.	**Direct integration** with building safety systems or remote controls.	**<50 dB**, ideal for offices, retail spaces, and communications rooms.

ϽNITI® Echo UPS Series

Clean and Stable Power for Critical IT

Echo uses advanced online double-conversion architecture to ensure your equipment receives consistent, regulated power at all times.

Rectifier Stage

Incoming AC is converted to stable DC, filtering noise and voltage inconsistencies.

Instant Backup

If the mains fails, the UPS transitions to battery with 0 ms interruption, protecting sensitive IT equipment.

Inverter Stage

DC is regenerated into a clean sine wave, fully isolated from mains interference.

Automatic Bypass

If the inverter is overloaded or faults, the UPS transfers to bypass to maintain continuity while protecting itself.

This robust design ensures your networking, storage and communication equipment remains protected regardless of fluctuations or disturbances in the power supply.

UPS Accessories

Optional accessories enhance monitoring, scalability, and runtime across the Uniti Power Echo UPS series.

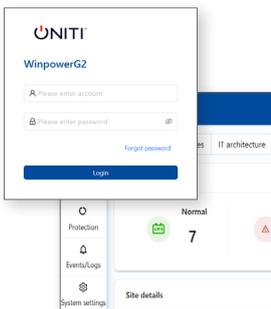|	
Monitoring	**UPNETG2S - Network Management Card** This is the short version of the UPNETG2, perfect for fitting the Echo range. *(More information can be found on the next page)*
	SPYEMP - Environmental Monitoring Probe Works with the UPNETG2 card to monitor ambient temperature and humidity, with alerts displayed via network management software.
Mounting Accessories	**SPYRAIL1-3 - 19" Rail Kit for 1.5 / 3 kVA models** Adjustable 19-inch mounting rails for secure and flexible rack installation.
	SPYRAIL6-10 - 19" Rail Kit for 1.5 / 3 kVA models Secure, heavy-duty mounting rails designed for larger UPS systems.

UNITI® Echo UPS Series

Smart Power. Fully Connected.

Power protection meets intelligence with the new **UPNETG2S short network management card**, integrated seamlessly with **Winpower G2** and **SPS G2 software**. Together, they form a powerful, future-proof ecosystem for real-time monitoring and automated response.
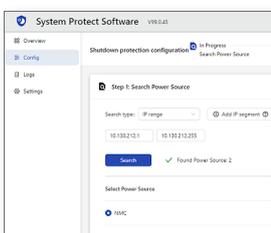
UPNETG2S - Network Management Redefined

- ◆ Gigabit Ethernet interface
- ◆ SNMP v1/v3, Modbus TCP, MQTT and REST API support
- ◆ Secure, browser-based dashboard
- ◆ Role-based access control and encrypted firmware
- ◆ Optional environmental monitoring sensors

Winpower G2 - Centralised UPS Management

- ◆ Real-time UPS status
- ◆ Event notifications and logs
- ◆ Safe, automated system shutdown
- ◆ Cross-platform support (Windows, macOS, Linux)

SPS G2 — Intelligent Local Protection

- ◆ Multi-system shutdown orchestration
- ◆ Script triggers and automation
- ◆ Remote event handling across multiple UPS devices

Together, the **UPNETG2S**, **Winpower G2**, and **SPS G2** suite deliver secure, scalable, and intelligent control across your entire UPS network, from data centre to edge.

UNITI®
Echo UPS Series

Flexible Runtime for Critical IT Loads

Echo allows tailored backup times depending on your deployment needs.

Internal Batteries	**ECH1000RMi2U - Internal Batteries** Ideal for **networking devices**, **small servers** and **communications** hardware.	
	ECH2000RMi2U - Internal Batteries Suitable for **multi-device IT racks** and **heavier loads**.	
External Battery	**ECH3000RMi2UER - External Battery-Only Model** Zero internal batteries, providing **maximum space efficiency** and **scalable runtime** via external 72V battery modules.	
Battery Module	**Echo Battery Module - 72V 2U** EBM72VRM2U Rack-mount battery module designed for the 3kVA ER model. Multiple units can be installed for **extended autonomy**.	

Runtimes

Model	Full Load	75% Load	50% Load	25% Load
ECH1000RMi2U	3.8 mins	6.2 mins	11.8 mins	23 mins
ECH2000RMi2U	3.6 mins	5.9 mins	11.4 mins	23 mins
ECH3000RMi2UER + EBM72VRM2U x 1	3.7 mins	6.1 mins	11.6 mins	23.9 mins
ECH3000RMi2UER + EBM72VRM2U x 2	10.9 mins	15.9 mins	26.0 mins	53.2 mins
ECH3000RMi2UER + EBM72VRM2U x 3	18.5 mins	26.0 mins	42.1 mins	87.8 mins
ECH3000RMi2UER + EBM72VRM2U x 4	26.0 mins	36.7 mins	60.7 mins	124.5 mins

MODEL			
Product Code	ECH1000RMi2U	ECH2000RMi2U	ECH3000RMi2UER
EAN	7864858495240	7864858488808	7864858483278
INPUT			
Nominal Voltage	HV: 208/220/230/240VAC		
Frequency	50/60Hz		
Voltage Range	HV: 90~275VAC±5VAC		
Frequency Range	(40~70)±0.5Hz		
Input Power Factor	>0.99		
Bypass Voltage Range	HV: 187~265V/ (120~275VAC Max)		
Input Connection	IEC-C14		IEC-C20
OUTPUT			
Capacity	1000VA/900W	2000VA/1800W	3000VA/2700W
Power Factor	0.9		
Nominal Voltage	208V/220/230/240VAC, 230V Default		
Voltage Regulation	+/-1%		
Frequency Range	50/60Hz +/-0.05%		
Over Load	100%~105% continuous. 60Sec.@105%~130% Rated Load		
Voltage Distortion (THDv)	<2% @ linear load		
Output Waveform	Pure Sine Wave		
EFFICIENCY			
Line Mode	89%	90%	91%
Battery Mode	85%	86%	87%
BATTERY			
Nominal Voltage	24V	48V	72V
Battery Type	12V/9AH		External
Number of Internal Batteries	2	4	-
Rated Battery Voltage	24V DC	48V DC	-
Charging Current	1A		4A
Recharge Time (to 90%)	5 hours		N/A
TRANSFER TIME			
Battery Mode <-> Inverter Mode	0ms		
Inverter Mode <-> Bypass Mode	<4ms		
ECO Mode <-> Battery Mode	<10ms		
DISPLAY			
LCD	Programmable LCD		
ALARM			
Audible Alarm	Yes		
Protection Function	AC input or output above or below the range of voltage, overload, over temperature and short circuit protection.		
PROTECTION			
Full Protection	Discharge, overcharge and overload protection		
PHYSICAL			
Product DImensions WxHxD	439.8 x 88 x 428 mm		
Packaged Dimensions WxHxD	570 x 540 x 185 mm		
Product Weight	13 kg	18 kg	9.3kg
Packaged Weight	15.2 kg	21 kg	11 kg
ENVIRONMENT			
Operating Temperature	Operating Temperature		
Regulation	CE		
Noise Level	<50dB (ISO 7779 @ front 1m distance, without buzzer)		
IP Rating	IP20		
INTERFACE			
RS232/USB	Yes		
External Slot	Yes, short-depth for optional UPNETG2S Card		
Emergency Power Off	Yes		
WARRANTY			
Standard Warranty	3-year parts/1-year batteries		

ECH1000RMi2U   **ECH2000RMi2U**   **ECH3000RMi2UER**

Contact Us

We're always happy to help. Contact us via email or telephone on the information below.

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