

LT-UPS3KVA-TR1

1-Phase Online UPS 3KVA / 2.7Kw

The LT-UPS3KVA-TR1 is a highly reliable 1-Phase Rack Online UPS delivering 3KVA/2.7KW power with a Power Factor of 0.9. Designed for both rack and tower configurations, this UPS ensures uninterrupted, clean, and stable power delivery for critical systems. Its advanced technology protects sensitive equipment from power disturbances, voltage fluctuations, and outages.

Featuring high efficiency, scalable design, and intelligent monitoring capabilities, the LT-UPS3KVA-TR1 is ideal for mission-critical applications. Its compact design and user-friendly interface make installation and maintenance straightforward.

The UPS is an excellent choice for data centers, IT infrastructures, telecom systems, and other essential applications requiring seamless power backup.

Key Features

1. **Rack/Tower Convertible Design:** Adaptable for both vertical and horizontal installations, maximizing flexibility in space-constrained environments. (Tower bracket is optional)
2. **Power Factor 0.9:** Ensures highly efficient power delivery, reducing energy losses and optimizing load performance.
3. **High Energy Efficiency:** Minimizes energy consumption, reduces operational costs, and promotes sustainability.
4. **Intelligent Battery Management:** Optimizes battery charging, extends battery life, and ensures consistent performance.
5. **User-Friendly LCD Interface:** Provides real-time monitoring, status updates, and quick configuration adjustments.
6. **Remote Management and Monitoring:** Allows centralized control and monitoring via network interfaces for enhanced operational oversight.



Key Highlights

- Reliable 1-Phase Online UPS
- Supports 3KVA/2.7KW output
- Rack/Tower Convertible Design
- Power Factor 0.9
- LCD Display for Easy Monitoring
- Enhanced Battery Protection

Applications

- **Data Centers:** Ensures uninterrupted power for servers and critical infrastructure.
- **Telecom Systems:** Provides reliable backup for communication networks and equipment.
- **IT Infrastructure:** Delivers consistent power for computers, networking, and IT equipment.
- **Medical Equipment:** Guarantees stable power supply for sensitive healthcare devices.



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TECHNICAL SPECIFICATIONS	
Capacity	3000VA / 2700W
INPUT	
Nominal voltage	208/220/230/240Vac
Input voltage range	110~300Vac (176~264Vac @ 100% load)
Power factor	≥0.99
FREQUENCY	
Frequency range	40~70Hz (50/60Hz Auto-Sensing)
OUTPUT	
Output voltage	208/220/230/240Vac
Voltage regulation	±1%
Power factor	0.9
Output frequency	Line mode: 46~54Hz or 56~64Hz
Crest factor	Bat mode: (50/60±0.1%)Hz
Harmonic distortion (THDv)	3:1
Transfer time	<3% Linear load ≤5% Non linear load
Output waveform	Pure Sinewave
EFFICIENCY	
AC mode	0.92
Battery mode	0.88
BATTERY	
Battery number	6
Capacity (Standard unit)	9Ah/12V (7Ah/12V Optional)
Typical recharging time	4 hours (To 90% of full capacity)
Charging current (Max.)	1A
INDICATORS	
LED display	Line mode, Bat.mode, ECO mode, Bypass mode, Battery low voltage, Overload & UPS fault
LCD display	Input voltage, Input frequency, Output voltage, Output frequency, Load percentage, Battery voltage, Inner temperature & Remaining battery backup time
ALARM	
Battery mode	Beeping every 4 seconds
Battery low	Beeping every second
Overload	Beeping twice every second
Fault	Continuously beeping
PHYSICAL	
Dimension (W x D x H)	440 x 600 x 86.5mm
Net weight	26kg
ENVIRONMENT	
Operating temperature	0°C~40°C
Storage temperature	-25°C~55°C
Humidity range	20~95%RH @ 0~40°C (Non condensing)
Altitude	<1500m, derating required when >1500m
Noise level	<50dB at 1 Meter
STANDARDS	
Safety	IEC/EN62040-1, IEC/EN62477-1
EMC	IEC/EN62040-2, IEC61000-4-2, IEC61000-4-3, IEC61000-4-4, IEC61000-4-5, IEC61000-4-6, IEC61000-4-8



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Related Products

RELATED PRODUCTS	
LT-UPSBAT72VDC	Rack Battery Pack 72V DC
Battery Type	VRLA (Lead acid maintenance free battery)
Battery Recharging time	6~8 hours to 90% full capacity
Typical battery life	3~5 years depending on charging cycles and environment
Battery Configuration	Built-in 12 x 12V / 9Ah batteries
Voltage	72V DC
Dimensions	440 × 710 × 86.5 mm
Weight	44 kg
Charging Current	1.4A
Battery Quantity	12
Capacity	9Ah/12V
Safety	CE
Operating Environment	0°C~40°C
Relative Humidity	0~95% (Non condensing)
Noise Level	< 40dB at 1 Meter
LT-SNMP-RM	SNMP card for remote monitoring compatible with LT-UPS3KVA-TR1 and LT-UPS10KVA-TRB1



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