

POWER EDGE ONLINE UPS



POWER EDGE ONLINE UPS – 30 kVA

(3-Phase Tower Type)

High-Density Online Double Conversion UPS

The **QUANT POWER EDGE 30 kVA Tower UPS** is a high-performance, 3-phase online double conversion system designed to deliver continuous, stable, and clean power to mission-critical equipment.

It features full DSP digital control, modular charging, IoT-enabled 7-inch touch LCD, and high-efficiency inverter technology for maximum reliability.

The 30kVA model is available in internal battery (80 PCS) and external battery cabinet configurations, providing flexible runtime options and superior environmental adaptability.

Standard protection includes input/output breakers, static bypass, maintenance bypass, and battery breakers.



KEY FEATURES

- **True Online Double-Conversion**
Zero transfer time ensures absolute protection for sensitive loads.
- **3-Phase Input / 3-Phase Output (3P/3P)**
Designed for enterprise-grade and industrial-grade applications.
- **7" Color Touch LCD with IoT Monitoring**
Real-time system status, alarms, energy analytics, and remote management.
- **High Power Density & Compact Footprint**
Ideal for IT rooms, ELV control rooms, and industrial sites.
- **Internal & External Battery Options**
Internal: 80 PCS 12V/7-9Ah
External: Fully scalable battery banks
- **Advanced DSP Control**
High precision, fast response, stable system operation.
- **Wide Input Voltage & Frequency Range**
Ensures perfect compatibility with unstable power grids.

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KEY FEATURES

- Comprehensive Breaker Configuration**
 - Input breaker
 - Output breaker
 - Static bypass breaker
 - Maintenance bypass
 - Battery breaker
- High Efficiency Up To 96%**
 - Reduces energy consumption and heat generation.

TECHNICAL SPECIFICATIONS

MODEL		PE-T030-3X-80B	PE-T030-3X
Rate Power		30kVA	
Main input	Input	3P5W (3P+N+PE)	
	Rate Voltage	380/400/415VAC(L-L)	220/230/240VAC(L-N)
	Rate Freq.	50/60Hz	
	Input PF	>0.99	
	Current distortion	THDi<2%(100% Linear load)	
	Voltage range	304 478VAC(L-L)full load 304 228VAC (L-L) power derate from 100% to 50%	
	Freq. range	40-70Hz	
Battery	Rate voltage	±240VDC(default 40 PCS)	
	Model	Internal BAT	UPS with internal batteries,12VDC/7~9Ah
		External BAT	UPS for external batteries,Settable
	Quantity	Internal BAT	80PCS
		External BAT	40PCS(default, 30-50PCS optional)

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TECHNICAL SPECIFICATIONS

MODEL		PE-T030-3X-80B	PE-T030-3X
Charging Internal BAT		5.7%*Pout	
capacity	External BAT	50%*Pout	
Bypass	Charging accuracy	±1%	
	Rate voltage	380/400/415VAC(L-L)220/230/240VAC(L-N)	
	Voltage range	Range: -40%- +25% , Settable, default -20% +15%	
	Frequency range	50/60Hz Settable ±1Hz ±3Hz ±5Hz	
Inverter	Rate voltage	380/400/415VAC(L-L) 220/230/240VAC(L-N)	
	Rate Freq.	50/60Hz	
	Output PF	1	
	Voltage accuracy	±1.0%	
	Output THDu	<1% linear load ,<5% non-linear load according to IEC 62040-3	
	Overload	110%,1 hour 125%,10 mins 150%,1 min >150%,200ms	
	Frequency accuracy	0.001	
	Synchronize window	Settable ±0.5Hz-±5Hz default ±3Hz	
	Slew rate	Settable 0.5Hz/S-3Hz/S default 0.5Hz/S	
	Crest factor	3:01	
Phase Accuracy	120°±0.5°		
Dimension ,W*D*H (mm)		400*770*854	
Country of Origin		Malaysia	
Warranty		2 Years	

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STANDARD CONFIGURATION

- Input breaker
- Output breaker
- Static bypass breaker
- Maintenance bypass switch
- Battery breaker
- DSP digital control system
- Smart 7-inch touch LCD
- IoT monitoring capability
- Cold start support
- Intelligent battery management

APPLICATIONS

- Government data centers & ministries
- Banking & financial systems
- Cloud, IT & telecom infrastructure
- Large university and education networks
- Hospitals, laboratories, imaging equipment
- Airports, metros & transportation systems
- Industrial automation & SCADA
- Broadcasters & media production
- Security / ELV command centers

ORDERING INFORMATION

Model	Description
PE-T030-3X-80B	30kVA/30kW Tower UPS, PF1.0, Internal battery space for 80×12V (7–9Ah), 7" Touch LCD, batteries excluded
PE-T030-3X	30kVA/30kW Tower UPS, PF1.0, External battery type, 7" Touch LCD

