

POWER EDGE ONLINE UPS



POWER EDGE ONLINE UPS – 40 kVA

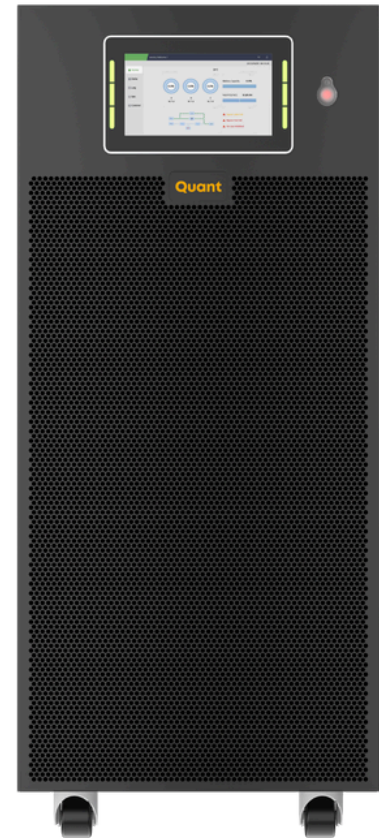
(3-Phase Tower Type)

High-Density Online Double-Conversion Power Protection

The **QUANT POWER EDGE 40 kVA Tower UPS** is a high-performance online double-conversion system engineered for mission-critical applications that demand maximum power reliability, efficiency, and advanced control.

With full DSP digital control, modular charging design, and a 7" IoT smart touch LCD, the system ensures stable, clean power under all operating conditions.

The 40 kVA model supports both internal batteries (80 PCS) and external battery configurations, offering flexible runtime customization. Standard breaker architecture ensures safe, stable, and maintainable operation.



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-T040-3X-80B	PE-T040-3I
Rate Power		40kVA	
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<3%(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

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TECHNICAL SPECIFICATIONS

MODEL		PE-T040-3X-80B	PE-T040-3I
Charging Internal Bat		20%*Pout	
capacity	External BAT	20%*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°		

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TECHNICAL SPECIFICATIONS

MODEL	PE-T040-3X-80B	PE-T040-3I
System	Efficiency	up to 96%
	Display	LED + 7 inch touch LCD
	Certification- Safety	IEC62040-1, IEC60950-1
	Certification- EMS	IEC62040-2 IEC61000-4-2(ESD) IEC61000-4-3(RS) IEC61000-4-4 (EFT) IEC61000-4-5 (Surge)
	Configuration	USB, RS232, RS485, Dry contact, Cold start
	Option	SNMP card, AS400 card, Parallel kit, Air filter
	Environment	0-40 operation -25 ~70 storage 0-95% (Humidity, non-condensing)
Dimension (W*D*H) mm	Internal BAT	350*823*1200
	External BAT	250*782*650
Weight(kg)	Internal BAT	262
	External BAT	49
Country of Origin	Malaysia	
Warranty	2 years	

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STANDARD CONFIGURATION

- Input breaker
- Output breaker
- Static bypass switch
- Maintenance bypass switch
- Battery breaker
- Smart DSP control
- 7" touch LCD with IoT monitoring
- Cold start capability
- Intelligent battery management

APPLICATIONS

- Government & smart-city infrastructure
- Banking & financial data systems
- ICT & server rooms
- Large-scale CCTV / ELV command centers
- Hospitals, imaging, diagnostic labs
- Metro, airport & transportation systems
- Industrial automation, PLC & SCADA
- Telecom & broadcasting facilities
- Energy & utility control centers

ORDERING INFORMATION

Model	Description
PE-T040-3X-80B	40kVA/40kW Tower UPS, PF1.0, Internal battery space for 80 × 12V batteries (7-9Ah), 7" Touch LCD, batteries excluded
PE-T040-3I	40kVA/40kW Tower UPS, PF1.0, External battery configuration, 7" Touch LCD

