

## QUANT POWER EDGE ONLINE UPS



### QUANT 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.

## QUANT POWER EDGE ONLINE UPS



### 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

## QUANT PROLINE RACK ONLINE UPS



### TECHNICAL SPECIFICATIONS

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

## QUANT PROLINE RACK ONLINE UPS



### 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	
Certifications	CE		
Country of Origin	Malaysia		
Warranty	2 year		

## QUANT PROLINE RACK ONLINE UPS



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