

## POWER EDGE ONLINE UPS



### **POWER EDGE ONLINE UPS – 40 kVA** *(10–60 kVA, 3-Phase Rack/Tower Convertible)* *High-Density Online Double Conversion UPS*

The **QUANT POWER EDGE Series** is a high-performance, 3-phase online double-conversion UPS designed for mission-critical IT, data center, ELV, and industrial applications.

It supports 3P/3P, 3P/1P, and 1P/1P configurations, offering maximum flexibility for different power environments.

Designed for 19-inch rack installation, the system can also be deployed as a Rack and Tower UPS. With 30 kW in only 3U height, the series delivers exceptional power density and efficient operation, making it suitable for modern edge data centers and high-load applications.

A 7-inch smart touch LCD panel with IoT functionality provides advanced monitoring, control, and data visibility.



### KEY FEATURES

- **True Online Double Conversion**  
Provides continuous, stable, and clean power with zero transfer time.
- **Multi-Mode Flexible Configuration**  
Supports 3P/3P, 3P/1P, and 1P/1P input/output combinations.
- **High Power Density: 30 kW in 3U**  
Saves rack space and maximizes installation efficiency.
- **Rack or Tower Convertible**  
Standard 19-inch rack mount or stand-alone tower installation.
- **7-Inch Touch LCD with IoT Functions**  
Real-time monitoring, smart alarms, energy statistics, and remote access capability.
- **Advanced DSP Control**  
Ensures fast response, high stability, and excellent reliability.
- **Strong Environmental Adaptability**  
Wide input voltage and frequency tolerance, suitable for harsh power conditions.
- **High Efficiency (up to 97%)**  
Reduces operating costs and heat generation.
- **Comprehensive Protection**  
Overload, short-circuit, over-temperature, over-voltage, under-voltage, battery protection.

## POWER EDGE ONLINE UPS



### TECHNICAL SPECIFICATIONS

MODEL		PE-T040-3X	PE-T060-3X
Rate Power		40kVA	60kVA
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,30-50 PCS, selceted)	
	Charging capacity	20%*Pout	
	Charging accuracy	±1%	
Bypass	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	

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### TECHNICAL SPECIFICATIONS

MODEL		PE-T040-3X	PE-T060-3X
Inverter	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°	
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)	
	IP degree	IP20	
	Configuration	USB, RS232, RS485, Dry contact, Cold start, Ethernet port	
	Option	SNMP card, AS400 card, Parallel kit, Air filter	
Dimension (W*D*H) mm		440*788*174 (4U)	440*807*218 (5U)
Weight(kg)		38	60
Country of Origin		Malaysia	
Warranty		2 years	

## POWER EDGE ONLINE UPS



### OPTIONS & ACCESSORIES

- SNMP network monitoring card
- AS400 dry-contact card
- Parallel redundancy kit
- External battery cabinets
- Air filter / dust protection
- Cold start and emergency power-off (EPO) features

### APPLICATIONS

- Government IT & Data Rooms
- Finance and Banking
- Enterprise IT & Cloud
- Education and Research Centers
- Transportation & Airports
- Medical Diagnostics & Healthcare
- Broadcasting and Telecommunication
- Energy & Industrial Control Rooms

### ORDERING INFORMATION

Model	Description
PE-T040-3X	QUANT POWER EDGE Online UPS 40kVA, 3-Phase Tower
PE-T060-3X	QUANT POWER EDGE Online UPS 60kVA, 3-Phase Tower

