

QUANT POWER EDGE ONLINE UPS



QUANT 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.

QUANT 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	
	Rate voltage	±240VDC(default 40 PCS,30-50 PCS, selceted)	
Battery	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

QUANT PROLINE RACK ONLINE UPS



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
	Environment	
Dimension (W*D*H) mm	440*788*174 (4U)	440*807*218 (5U)
Weight(kg)	38	60
Certifications	CE	
Country of Origin	Malaysia	
Warranty	2 year	

QUANT PROLINE RACK 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