

QUANT POWER EDGE ONLINE UPS



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80-100kVA 3-Phase Tower

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

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



KEY FEATURES

- True Online Double Conversion – continuous, stable, clean power with zero transfer time.
- 7-Inch Touch LCD with IoT Functions – real-time monitoring and smart alarms.
- High Power Density, Small Volume
- High Reliability & Environmental Adaptability
- Standard Configuration – mains input/output, bypass, maintenance bypass, battery breaker.
- Comprehensive Protection – overload, short-circuit, over-temperature, over/under-voltage, battery protection.

QUANT POWER EDGE ONLINE UPS



TECHNICAL SPECIFICATIONS

Model	PE-T080-3EL-40B	PE-T0100-3EL-40B
Rate Power	80kVA	100kVA
Input	3P5W (3P+N+PE)	
Rate Voltage	380/400/415VAC(L-L); 220/230/240VAC(L-N)	
Rate Freq.	50/60Hz	
Main Input Input PF	>0.99	
Current distortion	THDi<2%	
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	
Model	UPS for external batteries,Settable	
Battery Quantity	Depend on external battery, 40PCS(default, 30-50 PCS, selceted)	
Charging capacity	Max. 15% * Pout	
Charging accuracy	±1%	
Rate voltage	380/400/415VAC(L-L)220/230/240VAC(L-N)	
Bypass Voltage range	Range: -40%- +25% , Settable, default -20%~+15%	
Frequency range	50/60Hz, Settable: ±1Hz, ±3Hz, ±5Hz	

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Model		PE-T080-3EL-40B	PE-T0100-3EL-40B
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	0.1%	
	Synchronize window	Settable, ±0.5Hz-±5Hz, default ±3Hz	
	Slew rate	Settable, 0.5Hz/S-3Hz/S, default 0.5Hz/S	
	Crest factor	3:1	
Phase Accuracy	120°±0.5°		
System	Efficiency	Up to 97%	
	Display	LED + 7 inch touch LCD	
	Certification- Safety	IEC62040-1, IEC60950-1	
	Certification- EMC	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	
	Option	SNMP card、AS400 card、Parallel kit、Air filter	
Environment	0-40°C (operation); -25°C~70°C (storage); 0-95% (Humidity, non-condensing)		
Dimension (W*D*H) mm	External Batteries	380*950*900	

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TECHNICAL SPECIFICATIONS

- 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

TECHNICAL SPECIFICATIONS

- 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

TECHNICAL SPECIFICATIONS

Model	PE-T080-3EL-40B
Certifications	CE
Country of Origin	Malaysia
Warranty	2 years

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ORDERING INFORMATION

Model	Description
PE-T080-3EL-40B	QUANT POWER EDGE Online UPS 80kVA, 3-Phase Tower (EL)
PE-T0100-3EL-40B	QUANT POWER EDGE Online UPS 100kVA, 3-Phase Tower (EL)