

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.

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TECHNICAL SPECIFICATIONS

MODEL		PE-T080-3EL-40B	PE-T0100-3EL-40B
Rate Power		80kVA	100kVA
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<2%	
	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	
	Model	UPS for external batteries,Settable	
	Quantity	Depend on external battery, 40PCS(default, 30-50 PCS, selceted)	
	Charging capacity	Max. 15% * 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	
Country of Origin		Malaysia	
Warranty		2 years	

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

