

POWER EDGE ONLINE UPS



POWER EDGE ONLINE UPS – 60/80/100/200 kVA

(60-200 kVA, 3-Phase Tower)

High-Density Online Double Conversion UPS

The **QUANT POWER EDGE Series** is a high-reliability 3-phase online double-conversion UPS designed for mission-critical IT, ELV, industrial, and infrastructure applications, delivering stable and clean power for sensitive loads.

A 7-inch touch LCD with IoT functions provides enhanced monitoring, alarms, and visibility.

KEY FEATURES

- True Online Double Conversion
Provides continuous, stable, and clean power with zero transfer time.
- High Reliability & Strong Environmental Adaptability
- High Power Density, Compact Tower Design
- 7-Inch Touch LCD with IoT Functions
- Battery Expansion Flexibility
Optional full metal battery strips; internal batteries can be configured up to 16 battery module strips.
- Comprehensive Protection
Overload, short-circuit, over-temperature, over/under-voltage, and battery protection.



POWER EDGE ONLINE UPS



TECHNICAL SPECIFICATIONS

| MODEL | | PE-T060-3X-40B | PE-T080-3X-40B | |
|-------------------|--------------------|--|---|------------|
| Rate Power | | 60kVA | 80kVA | |
| 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%(100% Linear load) | THDi<2%(100% Linear load) | |
| | Voltage range | 304-478VAC (L-L) full load; 304-228VAC (L-L) derate 100%→50% | | |
| | Freq. range | 40-70Hz | | |
| Rate voltage | | ±240VDC | | |
| Battery | Model | | UPS with internal batteries,12VDC/7~9Ah | |
| | | | UPS for external batteries,Settable | |
| | Quantity | Internal BAT | 160PCS | / |
| | | External BAT | Depend on external battery, 40PCS(default, 30-50 PCS, selceted) | |
| | Charging capacity | | 20% × Pout | 15% × Pout |
| Charging accuracy | | ±1% | | |
| Bypass | Rated 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 | | |

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TECHNICAL SPECIFICATIONS

| MODEL | PE-T060-3X-40B | PE-T080-3X-40B | |
|----------|-----------------------|---|--|
| Inverter | Rated 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 | <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° | |
| System | Display & Efficiency | Up to 96% or 97% / 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, Air filter | USB, RS232, RS485, Dry contact, Air filter,Cold start,Ethernet |
| | Options | SNMP card, AS400 card, Parallel kit | SNMP card, AS400 card, Parallel kit |
| | Environment | 0-40 operation -25 ~70 storage 0-95% (Humidity, non-condensing) | |

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| MODEL | PE-T060-3X-40B | PE-T080-3X-40B | |
|----------------------|----------------|----------------|-------------|
| Dimension (W*D*H) mm | Internal BAT | 500*865*1250 | / |
| | External BAT | 250*782*650 | 380*950*900 |
| Weight(kg) | Internal BAT | 200 | / |
| | External BAT | 72 | 91 |
| Country of Origin | Malaysia | | |
| Warranty | 2 years | | |

OPTIONS & ACCESSORIES

- SNMP network monitoring card
- AS400 dry-contact card
- Parallel redundancy kit
- External battery cabinets
- Air filter / dust protection
- Cold start features

APPLICATIONS

- Government
- Finance
- IT
- Education
- Transportation
- Broadcasting
- Medical
- Energy

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ORDERING INFORMATION

| Model | Description |
|------------------------|---|
| PE-T060-3X-40B | QUANT POWER EDGE Online UPS 60kVA, 3-Phase Tower |
| PE-T080-3X-40B | QUANT POWER EDGE Online UPS 80kVA, 3-Phase Tower |
| PE-T0100-3X-40B | QUANT POWER EDGE Online UPS 100kVA, 3-Phase Tower |
| PE-T0200-3X-40B | QUANT POWER EDGE Online UPS 200kVA, 3-Phase Tower |

