

POWER EDGE ONLINE UPS



POWER EDGE ONLINE UPS – 10kVA

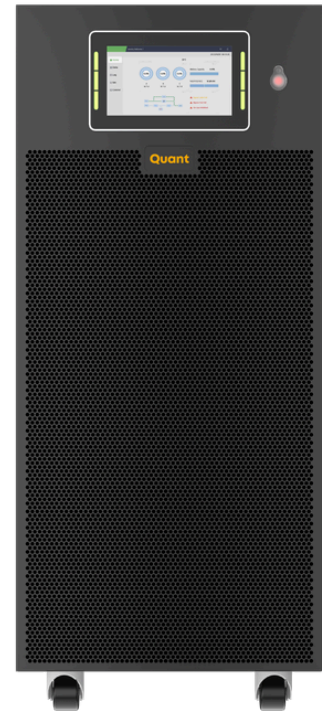
(3-Phase Tower Type)

High-Density Online Double Conversion UPS

The **QUANT POWER EDGE 10kVA Tower UPS** is an advanced 3-phase online double-conversion uninterruptible power system designed for critical applications requiring superior power protection, high reliability, and intelligent monitoring.

With DSP full-digital control, high-efficiency inverter architecture, and a 7-inch IoT touch LCD, this UPS delivers clean, uninterrupted power to mission-critical IT, medical, industrial, and ELV systems.

Available in internal battery (20/40/80 cells) and external-battery configurations, the POWER EDGE series offers flexible runtime, robust performance, and strong environmental adaptability.



KEY FEATURES

- **True Online Double-Conversion**
Zero transfer time ensures stable and continuous power.
- **3-Phase Input / 3-Phase Output (3P/3P)**
Ideal for enterprise and industrial loads.
- **High Power Density**
Compact tower design with strong inverter capability.
- **7" Smart Touch LCD with IoT Functions**
Real-time monitoring, remote alarms, energy statistics, and event logs.
- **Internal or External Battery Options**
Space for 20 / 40 / 80 pcs internal 12V batteries
External battery cabinets supported
- **Advanced DSP Control**
Fast response, stable performance, and high precision.
- **Strong Environmental Tolerance**
Wide input voltage range, high overload capability, high charging accuracy.
- **Comprehensive Protection**
Overload, over-voltage, under-voltage, short-circuit, over-temperature, battery protection.
- **Standard Breakers Included**
Input breaker, Static bypass breaker, Output breaker, Battery Breaker, Maintenance bypass switch

POWER EDGE ONLINE UPS



TECHNICAL SPECIFICATIONS

MODEL		PE-T010-3I-20B	PE-T010-3X-40B	PE-T010-3X-80B	PE-T010-3X
Rate Power		10kVA			
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)			
	Voltage range				
	Freq. range	40-70Hz			
Battery	Rate voltage	±120VDC(default 20 PCS,20-50 PCS, selceted)	±240VDC(default 40 PCS,30-50 PCS, selceted)		
	Internal BAT	UPS with internal batteries,12VDC/7~9Ah			
	Model				
	External BAT	UPS for external batteries,Settable			
	Quantity	Internal BAT	20PCS	40PCS	80PCS
External BAT		20PCS(default, 20-50PCS optional)	40PCS(default, 30-50PCS optional)		
Charging Internal BAT		4.3%*Pout	8.6%*Pout	17.2%*Pout	8.6%*Pout
capacity		External BAT	50%*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			

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TECHNICAL SPECIFICATIONS

MODEL	PE-T010-3I-20B	PE-T010-3X-40B	PE-T010-3X-80B	PE-T010-3X
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	0.001		
	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 97%		
	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)		
	Configuration	USB, RS232, RS485, Dry contact, Air filter, Cold start, Ethernet port		
	Option	SNMP card, AS400 card, Parallel kit		
	Environment	0-40 operation -25 ~70 storage 0-95% (Humidity, non-condensing)		

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TECHNICAL SPECIFICATIONS

MODEL		PE-T010-3I-20B	PE-T010-3X-40B	PE-T010-3X-80B	PE-T010-3X
Dimension (W*D*H) mm	Internal BAT	380/400/415VAC(L-L) 220/230/240VAC(L-N)			
	External BAT	50/60Hz			
Weight(kg)	Internal BAT	1			
	External BAT	±1.0%			
Country of Origin		Malaysia			
Warranty		2 years			

OPTIONS & ACCESSORIES

- SNMP network monitoring card
- AS400 dry-contact card
- 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

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ORDERING INFORMATION

Model	Description
PE-T010-3I-20B	10 kVA/10 kW Tower UPS, PF1.0, Space for 20×12V/9Ah, 7" Touch LCD, excluding batteries
PE-T010-3X	10 kVA/10 kW Tower UPS, PF1.0, External Battery Type, 7" Touch LCD
PE-T010-3X-40B	10 kVA/10 kW Tower UPS, PF1.0, Space for 40×12V/9Ah, 7" Touch LCD, excluding batteries
PE-T010-3X-80B	10 kVA/10 kW Tower UPS, PF1.0, Space for 80×12V/9Ah, 7" Touch LCD, excluding batteries

