

## QUANT POWER EDGE ONLINE UPS



### QUANT POWER EDGE ONLINE UPS

*(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-R010-3X	PE-R015-3X	PE-R020-3X	PE-R030-3X
Rate Power		10kVA	15kVA	20kVA	30kVA
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	304 478VAC(L-L)full load	304 228VAC (L-L)	power derate from 100% to 50%	
	Freq. range	40-70Hz			
Battery	Rate voltage	±120VDC(default 20 PCS,20-50 PCS, selceted)	±240VDC(default 40 PCS,30-50 PCS, selceted)		
	Charging capacity	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			
Inverter	Rate voltage	380/400/415VAC(L-L) 220/230/240VAC(L-N)			
	Rate Freq.	50/60Hz			
	Output PF	1			
	Voltage accuracy	±1.0%			

## QUANT PROLINE RACK ONLINE UPS



### TECHNICAL SPECIFICATIONS

MODEL	PE-R010-3X	PE-R015-3X	PE-R020-3X	PE-R030-3X
Inverter	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	0.10%		
	Synchronize window	Settable $\pm 0.5\text{Hz} \pm 5\text{Hz}$ default $\pm 3\text{Hz}$		
	Slew rate	Settable 0.5Hz/S-3Hz/S default 0.5Hz/S		
	Crest factor	3:01		
	Phase Accuracy	$120^\circ \pm 0.5^\circ$		
	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)		
IP degree		IP20		
Configuration		USB, RS232, RS485, Dry contact, Cold start, Ethernet port		
Option		SNMP card, AS400 card, Parallel kit, Air filter		
Environment		0-40 operation -25 ~70 storage 0-95% (Humidity, non-condensing )		
Dimension (W*D*H) mm	440*620*130 (3U)			
Weight(kg)	21.4	22.4	22.7	
Certifications	CE			
Country of Origin	Malaysia			
Warranty	2 year			

## QUANT PROLINE RACK ONLINE UPS



### 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

### ORDERING INFORMATION

Model	Description
PE-R010-3X	QUANT POWER EDGE Online UPS 10kVA, 3-Phase Rack
PE-R015-3X	QUANT POWER EDGE Online UPS 15kVA, 3-Phase Rack
PE-R020-3X	QUANT POWER EDGE Online UPS 20kVA, 3-Phase Rack
PE-R030-3X	QUANT POWER EDGE Online UPS 30kVA, 3-Phase Rack