

QUANTUM SERIES

Uninterruptible Power Supplies

Most cost-effective solution with outstanding performance

Ready to meet the most challenging power conditions

- On-line topology
- Pure sinewave output
- Graphic LCD display
- CE Compliant



General Specifications

- True double-conversion design with high adaptability to harsh mains conditions
- DSP design enables precise and reliable control
- High efficiency results in energy saving
- Output power factor 0.8 (up to 0.9 under 30%)
- Wide AC input range (110-300VAC)
- Automatic switching between 50/60Hz system
- Automatic boost/buck
- $\pm 1\%$ voltage regulation
- Supports AC generator
- Supports DC start-up and auto restart
- Supports USB/SNMP/RS485/AS400 communication card

Technical Specifications

MODEL	QUANTUM 1000	QUANTUM 2000	QUANTUM 3000
CAPACITY	1000VA/800W*	2000VA/1600W*	3000VA/2400W*
Voltage range	110-300 VAC		
Power factor	≥ 0.98 @ full RCD load		
Frequency range	40-70Hz		
Generator set	2.2 x UPS Rating Power		
OUTPUT			
Waveform	Pure sine wave		
Nominal voltage	200/208/220/230/240 VAC		
Voltage regulation	± 1 %		
Voltage distortion	< 4% @ linear load		
	< 7% @ non-linear load		
Frequency (synchronized range)	46 - 54Hz / 56 - 64Hz		
Frequency (battery mode)	50 ± 0.05Hz / 60 ± 0.05Hz		
Overload capability	105% - 150% : 47s ~ 25s		
	150% - 200% : 25s ~ 300ms		
	> 200% : 200ms		
Load crest ratio	3:1		
TRANSFER TIME			
LINE«BAT	0ms		
BYPASS«LINE	< 4ms		
EFFICIENCY			
Line mode	> 89%	> 90%	> 90%
Battery mode	> 83%	> 83%	> 83%
BATTERY			
Type	12VDC/45W	12VDC/45W	12VDC/45W
Number of battery	2	4	6
Back-up time	4.5 min		
Charging time	< 7 hours to 90%		
INDICATOR & ALARM			
Display	LCD Display		
Audible alarm	Battery mode / Battery low / Overload / Fault		
INTERFACE			
RS232	Standard		
Intelligent slot	USB/SNMP/RS485/AS400 Card		
DIMENSIONS			
Dimensions (mm) HxWxD	229x144x345	328x190x393	
Net weight (kg)	9.2	17.2	22.6
ENVIRONMENT			
Operating temperature range	0°C ~ 40 °C	0°C ~ 40 °C	0°C ~ 40 °C
Audible Noise	< 45 dBA	< 50 dBA	< 50 dBA

Reliable Power