



1 - 3 kVA

QUANTUM + SERIES

UNINTERRUPTIBLE POWER SUPPLIES

On-line

*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 0.9
- Wide AC input range (110-300VAC)
- Automatic switching between 50/60Hz system
- Automatic boost/buck
- $\pm 2\%$ output voltage regulation
- Supports AC generator
- Supports DC start-up and auto restart
- Supports SNMP/RS485/AS400 communication card (optional)





1 - 3 kVA TECHNICAL SPECIFICATIONS



MODEL	QUANTUM + 1000	QUANTUM + 2000	QUANTUM + 3000
Capacity	1000VA/900W	2000VA/1800W	3000VA/2700W
INPUT			
Voltage range	110-300 VAC		
Power factor	≥ 0.98 @ full RCD load		
Frequency range	45-55Hz / 54-66Hz		
Generator set	2.2 x UPS Rating Power		
OUTPUT			
Power factor	0.9		
Waveform	Pure sine wave		
Nominal voltage	200/208/220/230/240 VAC		
Voltage regulation	± 2%		
Voltage THD	< 1% @ linear load < 5% @ non-linear load		
Frequency (synchronized range)	46 - 54Hz / 56 - 64Hz		
Frequency (battery mode)	50 ± 0.05Hz / 60 ± 0.05Hz		
Overload capability	100% ~ 105% : Constant 105%~130% :60s 130%~150% :10s >150% :300ms		
Load crest ratio	3:1		
TRANSFER TIME			
LINE«BAT	0ms		
BYPASS«LINE	< 4ms		
EFFICIENCY			
Line mode	> 89%	> 90%	
Battery mode	> 83%		
BATTERY			
Type	12VDC/45W		
Number of battery	2	4	6
Back-up time	4 min		
Charging time	< 4 hours to 90% capacity		
INDICATOR & ALARM			
Display	LCD Display		
Audible alarm	Battery mode / Battery low / Overload / Fault		
INTERFACE			
USB / EPO	Standard		
Intelligent slot	SNMP/RS485/AS400 Card (optional)		
DIMENSIONS			
Dimensions (mm) HxWxD	228x144x356	327x190x399	
Net weight (kg)	9.2	17.4	22.7
ENVIRONMENT			
Operating temperature range	0°C ~ 40 °C		
Audible Noise	49 dBA @ 1 meter		