



6 - 10 kVA

QUANTUM SERIES

UNINTERRUPTIBLE POWER SUPPLIES

On-line

High performance true online double conversion UPS

GENERAL SPECIFICATIONS

- DSP Control
- 0.9 Output power factor
- Wide input range
- High efficiency mode(ECO)
- Frequency converter mode
- Input THDi < 5%
- Output voltage regulation < 1%
- Output THDv < 2%
- Fan speed control
- Extendable run time
- Multiple communication ports
- Optional SNMP & Relay Cards
- N+X parallel redundancy
- Maintenance bypass
- Dot matrix LCD display



Tescom®

CE



6 - 10 kVA

TECHNICAL SPECIFICATIONS



MODEL	QUANTUM 106	QUANTUM 106KS*	QUANTUM 110	QUANTUM 110KS*
Capacity (VA/W)	6000VA/5400W		10000VA/9000W	
INPUT				
Acceptable input voltage	110 ~ 276VAC			
Adjustable bypass voltage	110 ~ 276VAC			
Frequency range	45Hz ~ 55Hz / 54Hz ~ 66Hz			
Phase	Single phase with ground			
THDI	< 5% with R Full load			
Power factor	≥ 0.99 @ R Full Load			
OUTPUT				
Voltage	208/220/230/240VAC			
Voltage regulation	< 1%			
Frequency (Synchronized range)	45Hz ~ 55Hz / 54Hz ~ 66Hz			
Frequency (Battery mode)	50/60 ± 0.05 Hz			
Current crest factor	3:1			
Harmonic distortion	2% @ Linear Load 5% @ Non-Linear Load			
Output waveform	Pure Sine Wave			
Overload capacity	Line mode	*2min @105% ~ 125% load 30s @ 125% ~ 150% load 1s @ >150% load		
	BAT mode			
	Parallel	UP to 4		
EFFICIENCY				
Line mode	> 92% @ Full load and battery fully charged			
BAT mode	> 92% @ Full load and 12Vdc/battery			
ECO mode	> 96% @ Full load and battery fully charged			
BATTERY				
Numbers of internal batteries per set	20	Depending on the capacity of external batteries	20	Depending on the capacity of external batteries
Battery type	12V/7Ah		12V/9Ah	
Backup time (full load)	> 5 minutes		> 5 minutes	
Recharge time	5 hours to 90%		5 hours to 90%	
Charging current (max)	1.2A	4.0A	1.2A	4.0A
Rated battery voltage	240VDC			
TRANSFER TIME				
BAT ↔ LINE	0ms			
INV ↔ BYPASS	0ms			
ECO → INV	< 10ms			
INDICATOR				
LCD	Load Level / Battery Level / Battery Mode / AC Mode / Bypass Mode / Fault			
AUDIBLE ALARM				
Battery mode	Sounding every 4 seconds			
Low battery	Sounding every second			
Fault	Continuously Sounding			
Overload	Sounding twice every second			
GENERAL				
Operating environment	0-45° C			
Relative humidity	0-95% (non-condensing)			
Acoustic noise	< 50dB @ 1 Meter			
Tower case (HxWxD) mm	708x260x550			
INTERFACE				
RS232/USB	Software supports Windows Family, Linux, Sun Solaris, IBM Aix, Compaq True64, SGI IRIX, FreeBSD, HP-UX, and MAC			
External slot	SNMP/AS400/Relay Card			
EPO	Emergency Power Off			