



1 - 3 kVA

QUANTUM XL SERIES

UNINTERRUPTIBLE POWER SUPPLIES

High performance true online double conversion UPS

GENERAL SPECIFICATIONS

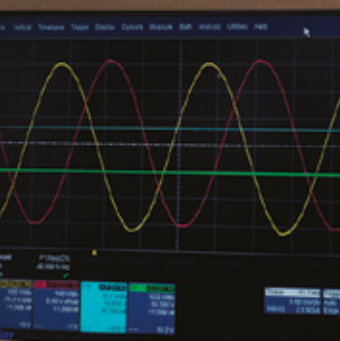
- DSP Control
- 0.9 Output power factor
- Wide input range
- High efficiency mode (ECO)
- Frequency converter mode
- Input THDi < 5%
- Output voltage regulation < 2%
- Output THDv < 3%
- Auto self-testing system
- Fan speed control
- Extendable run time
- Power management software
- Multiple communication ports
- Optional SNMP & Relay Cards
- Compact design



Tescom®

CE

1 phase in / 1 phase out



1 - 3 kVA

TECHNICAL SPECIFICATIONS

MODEL	QUANTUM 1000XL	QUANTUM 2000XL	QUANTUM 3000XL
Capacity (VA/W)	1000VA/900W	2000VA/1800W	3000VA/2700W
INPUT			
Voltage range	110~300VAC depends on load level		
Frequency range	45-55Hz / 54-66Hz		
Phase	Single phase with ground		
THDI	< 5% with full load		
Power factor	≥ 0.99		
OUTPUT			
Voltage	200/208/220/230/240VAC		
Voltage regulation	± 2%		
Frequency	45-55Hz / 54-66Hz (synchronized range)		
Frequency (bat mode)	50Hz / 60Hz ± 0.2Hz		
Current crest ratio	3:1		
Harmonic distortion	< 3% @ Linear Load < 5% Non-Linear Load		
Output waveform	Pure Sine Wave		
Overload capacity	Line mode	1min@105% - 110% load 30s@110% - 120% load 10s@125% - 150% 1s@ > 150% load	
	BAT mode		
EFFICIENCY			
Line mode	> 87%		> 88%
BAT mode		> 85%	
Eco mode		> 94%	
BATTERY			
Number of batteries	Depending on the capacity of external batteries		
Battery type			
Backup time			
Recharge time			
Charging current	8A	8A / Adjustable or optional (optional: +4A = 12A)	
TRANSFER TIME			
BAT ↔ LINE	0ms		
INV ↔ BYPASS	< 4ms		
INV → ECO	< 4ms		
ECO → INV	< 10ms		
INDICATOR			
LCD	Load / Battery / Input / Output / Operating Mode Information		
AUDIBLE ALARM			
BAT mode	Sounding every 4 seconds		
Battery low	Sounding every second		
Fault	Continuously sounding		
Overload capacity	Sounding twice every second		
GENERAL			
Operation environment	0 - 45°C		
Relative humidity	20 - 90% (non-condensing)		
Acoustic noise	< 50dB @ front 1 meter		
Tower case (HxWxD)	220x145x400	347x192x460	
INTERFACE			
USB	Software supports Windows Family, Linux, Sun Solaris, MAC		
External slot (optional)	SNMP/AS400 Card/RS485		
EPO	Emergency Power Off		