

100 SERIES

Uninterruptible Power Supplies

Tescom 100 series are,
True online, Double
conversion UPS Systems,
manufactured with the state
of the art, PWM and IGBT
technology, producing
microprocessor controlled
pure sinewave output to
critical loads.



General Specifications

- Output isolation transformer
- Up to 91% efficiency
- Static by-pass
- LCD front panel
- 64 events memory
- RS232 and relay contacts
- Custom input and output voltage ranges
- SNMP compatible communication
- T-MON remote monitoring software
- Parallel operation
- 2 years warranty
- 10 years spare parts support
- Manufactured according to EC Directive; EN62040

Reliable Power

Technical Specifications

MODEL	105XA	107XA	110	115
Power (VA)	5000	70000	10000	15000
INPUT				
Voltage	220/230 VAC. ±15%			
By-pass voltage	220/230 VAC. ±10%			
Current	30A	44A	58A	87A
Input frequency	50Hz / 60Hz on request, ± 5%			
OUTPUT				
Power factor	0.65		0.7	
Power (W)	3250	4550	7000	10500
Voltage	220/230 VAC. ±15%			
Frequency	50Hz or 60Hz			
Frequency tolerance	±2% (line synchronized)			
	±0.2% (free running)			
Efficiency at 100% load	Up to 90%		Up to 91%	
Crest Factor	3:1			
Overload protection	100 - 125% load: 10min.			
	125 - 150% load: 1 min.			
	>150% load: by-pass			
Short circuit protection	Electronic protection			
Total harmonic distortion (THD)	<3%			
Communication	Dry contacts & RS232			
BATTERIES				
Type	Sealed Lead Acid - Maintenance Free			
Number of Batteries	16	18	20	
Float Charging voltage	216 VDC	243 VDC	270VDC	
End of discharge voltage	160 VDC	180 VDC	200VDC	
Battery cabinet	Internal		External	
Battery ambient temperature °C	25°C			
Battery protection	Automatic circuit breaker			
Battery test	Optional			
GENERAL				
Regulations	EN62040-2			
Software	T-Mon UPS management software (3 client, +1 server management std.)			
Temperature range	0 °C - 40 °C			
Relative humidity	90% max. (non condensed)			
Protection degree	IP20			
Altitude	<1000m above sea level			
Acoustic noise	<45 Dba			
Weight without Batteries (kg)	60	75	82	107
Dimensions (mm) WxDxH	265x600x585	265x660x640	265x740x720	300x810x720
OPTIONS				
6kVA & 7kVA	Previous, output PF:0.7 versions (4200W - 4900W) available on request			
Input transformer	Galvanic isolation for the input			
MBS	Maintenance Bypass Switch for complete isolation			
Adaptors	SNMP, MODBUS, Remote Mon. Panel, RS485			
Parallel operation	N+1 (up to 4 units)			