



100 - 300 kVA

300 SERIES

UNINTERRUPTIBLE POWER SUPPLIES

3 phase in / 3 phase out

Tescom 300 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 92% efficiency
- Static by-pass
- LCD front panel
- 128 elements alarm memory (4000 alarms)
- RS232 and relay contacts
- Custom input and output voltage ranges
- SNMP compatible communication
- T-MON remote monitoring software
- Parallel operation up to 4 devices
- High performance at nonlinear loads
- Custom input voltage and frequency ranges
- Manufactured according to EC Directive; EN62040
- 10 years spare parts support
- 2 years warranty



Tescom®



100 - 300 kVA

TECHNICAL SPECIFICATIONS

MODEL	3100	3120	3160	3200	3250	3300
Power (kVA)	100	120	160	200	250	300
INPUT						
Voltage	380/400 VAC 3P + N + G \pm 15%					
By-pass voltage	380/400 VAC 3P + N \pm 1%					
Input frequency	50Hz (60Hz on request) \pm 5%					
OUTPUT						
Power (kW)	80	96	128	160	200	240
Power factor	0,8					
Voltage	380/400 VAC 3P + N					
Voltage stability	Balanced load: \pm 1%, Unbalanced load: \pm 2%, Step load: \pm 5%					
Voltage recovery time	After step load: max. 25ms					
Frequency	50Hz (60Hz on request)					
Frequency tolerance	Line synchronized: \pm 2% , free running: \pm 0,2%					
Efficiency (at 100% load)	90-92%					
Crest factor	3:1					
Overload protection	100%-125% load: 10 min., 125%-150% load: 1 min., >150% load: by pass					
Short circuit protection	Electronic short circuit protection					
VoltageTHD	Linear load: < 3% Non linear load: < 5%					
BATTERIES						
Type	Sealed Lead Acid - Maintenance Free					
Number of batteries	30			32		
Float charging voltage	405 VDC			432 VDC		
End of discharge voltage	300 VDC			320 VDC		
Battery ambient temperature	25°C					
Battery protection	Automatic circuit breaker					
Battery test	Automatic every 72 hours					
GENERAL						
Standards	EN 62040-1,EN62040-2					
Serial communication	Dry contacts & RS232					
Software	T-Mon UPS Management Software (3 clients, +1 server management std.)					
Temperature range	0°C - 40°C					
Ventilation	Forced air cooling					
Relative humidity	< %90 (non-condensing)					
Protection degree	IP20					
Altitude	< 2000m above sea level					
Acoustic noise	65 dBA			70 dBA		
Weight without batteries (kg)	750	765	802	970	1328	1370
Dimensions (mm) HxWxD	1650x1110x810		1730x1195x870		1880x1565x925	
OPTIONAL						
Different input / output voltage	Please ask					
Input transformer	Galvanic isolation transformer at the input (in external cabinet)					
Input THDI	10% (with 12 pulse or 18 pulse rectifier, according to UPS range) 5% (with 18 pulse rectifier, + filter), up to 100kVA					
Input power factor	0.95 - 0.98 (with 18 pulse rectifier)					
Adaptors	SNMP, MODBUS, Remote Mon. Panel, RS485					
Parallel operation	N+1 (up to 4 units)					
(*)	In 18Pulse & 12Pulse applications, the standard chassis dimensions may change					