



10 - 80 kVA

## 300 SERIES

UNINTERRUPTIBLE POWER SUPPLIES

*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 events 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





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## TECHNICAL SPECIFICATIONS

MODEL	310	315	320	330	340	360	380
Power (kVA)	10	15	20	30	40	60	80
<b>INPUT</b>							
Voltage	220/380 VAC (230/400 VAC) 3P + N + G ± 15%						
By-pass voltage	220/380 VAC (230/400 VAC) 3P + N ± 10%						
Input frequency	50Hz / 60Hz ± 5%						
<b>OUTPUT</b>							
Power (kW)	8	12	16	24	32	48	64
Power factor	0,8						
Voltage	380/400 VAC 3P + N						
Voltage stability	Balanced load: ± 1%, Unbalanced load: ± 2%, Step load: ± 5%						
Voltage recovery time	After step load: max. 25ms						
Frequency	50Hz (60Hz on request)						
Frequency tolerance	Line synchronized: ± 2% , free running: ± 0,2%						
Efficiency (at 100% load)	89-91%			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						
Voltage THD	Linear load: < 3% Non linear load: < 5%						
<b>BATTERIES</b>							
Type	Sealed Lead Acid - Maintenance Free						
Number of batteries	30						
Float charging voltage	405 VDC						
End of discharge voltage	300 VDC						
Battery ambient temperature	25°C						
Battery protection	Automatic circuit breaker						
Battery test	Automatic every 72 hours						
<b>GENERAL</b>							
Standards	EN 62040-1, EN 62040-2						
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	< 56 dBA				< 60 dBA		
Weight without batteries (kg)	220	260	284	305	404	496	580
Dimensions (mm) HxWxD	1150x505x655			1390x575x820		1450x720x820	
<b>OPTIONAL</b>							
Different input / output voltage	Please ask						
Input transformer	Galvanic isolation transformer at the input (in external cabinet)						
Input THD	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						