

# XT300

## 100-300kVA

Output Isolation Transformer

Microprocessor Controlled

IGBT Technology



XT 300 Online UPS are microprocessor controlled, full sine output uninterruptible power supplies produced with PWM (Pulse width modulation) and IGBT technologies. It provides uninterrupted energy for local networks, communication systems, sensitive medical devices, smart engineering measuring devices and industrial automation systems by guaranteeing safe operation thanks to its built-in inverter isolation transformer.

## 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
- 2 years warranty

## TECHNICAL SPECIFICATIONS

MODEL	XT3100	XT3120	XT3160	XT3200	XT3250	XT3300
Power (kVA)	100	120	160	200	250	300
<b>INPUT</b>						
Voltage	220/380 VAC (230/400 VAC) 3P + N + G $\pm$ 15%					
By-pass voltage	220/380 VAC (230/400 VAC) 3P + N $\pm$ 10%					
Input frequency	50Hz/60Hz $\pm$ 10%					
<b>OUTPUT</b>						
Power (kW)	80	96	128	160	200	240
Power factor	0.8					
Voltage	380/400 VAC 3P + N					
Voltage stability	Static: $\pm$ 1%, Dynamic: $\pm$ 5%					
Voltage recovery time	Max. 25ms					
Frequency	50Hz/60Hz					
Frequency tolerance	Line synchronized: $\pm$ 2%, free running: $\pm$ 0.1%					
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					
Voltage THD	Linear load: < 2%, Non linear load: < 5%					
<b>BATTERIES</b>						
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/Manual					
<b>GENERAL</b>						
Standards	EN 62040-1, EN62040-2					
Serial communication	Dry contacts & RS232					
Software	T-Mon UPS Management Software					
Over temperature protection	Electronic					
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	
<b>OPTIONS</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), up to 100kVA					
Communication	SNMP, MODBUS, Remote Mon. Panel, RS485					
Parallel operation (please ask)	Up to 4 units					
Battery temperature compensation	Optional					