



100 - 300 kVA

## 300 SERIES

UNINTERRUPTIBLE POWER SUPPLIES

3 phase in / 3 phase out

*SORLINE T 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*

### 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



100 - 300 kVA

# TECHNICAL SPECIFICATIONS

MODEL	3100	3120	3160	3200	3250	3300
Power (kVA)	100	120	160	200	250	300
<b>INPUT</b>						
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%					
<b>OUTPUT</b>						
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%					
<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 every 72 hours					
<b>GENERAL</b>						
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	
<b>OPTIONAL</b>						
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					