



10 - 80 kVA

300 SERIES

UNINTERRUPTIBLE POWER SUPPLIES

3 phase in / 3 phase out

SORLINE 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





10 - 80 kVA

TECHNICAL SPECIFICATIONS

MODEL	310	315	320	330	340	360	380	
Power (kVA)	10	15	20	30	40	60	80	
INPUT								
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 5%							
OUTPUT								
Power (kW)	8	12	16	24	32	48	64	
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)	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%							
BATTERIES								
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							
GENERAL								
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	
OPTIONAL								
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							