



Uninterruptible Power Supply 10-80kVA



DELTA 300 Lo series UPS, PWM controlled, IGBT technology, Microcontroller controlled, Sinusoidal wavetorm, ONLINE topology and parallel configurable devices. Advanced communication system supports many communication protocols and brings remote control advantage of the UPS.

True On-line / 3 Phase Input / 3 Phase Output / 10-80 kVA

Technical Specifications

- 3 phase in / 3 phase out
- Output isolation transformer
- Up to 91% efficiency
- Static by-pass
- External REPO switch input
- 5 control buttons LCD alphanumeric display brings detailed monitoring of measured parameters.
- 128 events alarm memory (4000 alarms)
- Clock and calender (battery supported)
- Advanced battery management controls charge system battery test
- High performance at non-linear loads
- Dry contact simulation function
- Dial-up modem connection and setup
- Custom input voltage and frequency ranges
- Parallel operation up to 4 devices
- According to EC Directive; EN62040
- SNMP communication
- 2 years warranty
- 10 years spare parts support
- ISO9001, ISO14001, CE certification
- Optional MODBUS adaptor

Specifications

MODEL	310	315	320	330	340	360	380
Power	10 kVA	15 kvA	20 kVA	30 kVA	40 kVA	60 kVA	80 kVA
INPUT							
Voltage	380/400 VAC 3 phase + neutral + earth ,+/-15%						
By-pass voltage	380/400 VAC 3 phase + neutral +/- 10%						
Frequency	50 Hz (60 Hz optional), +/- 5%						
MAX RFI	EN62040-2						
Input voltage protection	Electronic Input out of tolerant protection						
OUTPUT							
Power (kW)	8	12	16	24	32	48	64
Power factor	0,8						
Voltage	380/400 VAC 3 phase, + Neutral						
Voltage tolerance	+/- 1%						
Voltage regulation time	max 25 msec						
Frequency	50Hz / 60Hz						
Frequency tolerant	synchron: +/-2%						
Efficiency (100% load)	88-90%			90%			
Crest factor	3:1						
Overload protection	100%-125% load :10 mins						
	126%-150% load :1 min						
	>150% load :by pass						
Short circuit protection	electronic protection						
THD (Total harmonic distortion)	Linear load: < 3%						
	Non linear load: < 5%						
Output voltage protection	Electronic out of tolerant protection						
MODEL							
Type	Maintenance free ,sealed lead acid						
Batteries	30						
Charge voltage	405 VDC						
Discharge end voltage	300 VDC						
Ambient temperature	25 C						
Battery protection	Battery fuse ,battery voltage low and high alarm (3 levels)						
Battery test	standard automatic every 72 hours or manual						
Temperature Compansation	Available as option						
GENERAL							
Human interface	Alphanumeric LCD panel, mimic lamps and control buttons						
Communication	Dry contact and RS232						
Software	T-Mon UPS Software (3 clients)						
Operating temperature	0 C - 55 C						
Cooling	air cooling						
Humidity (non condensed)	< 90%						
Protection	IP20						
Altitude	< 2000 m						
Noise level	< 56dBA					< 60 dBA	
Weight without batteries (kg)	220	260	260	290	415	465	595
Dimensions (mm) HxWxD	1150x505x655				1390x575x820		1450x720x820
Overttemperature protection	electronic protection						