

UPDS 300 series



Uninterruptible Power Supply 3-3 Phase 10-160kVA

The UPDS300 series is an advanced three phase, true online, dual conversion, digitally controlled UPS. It is designed to meet the high availability and high power quality needs for a wide variety of critical applications, such as in the data centre, industrial, medical, military, banking, security and laboratory. The series utilises very fast digital signal processors to generate an accurately controlled output for the most demanding types of loads.

- Transformerless UPS topology
- High Input Power Factor.
- High efficiency up to 94%.
- Total harmonic distortion < 5%
- 10 years spare parts support.
- Separate DSP for inverter.
- Separate DSP for rectifier.
- IGBT rectifier and inverter.
- Regenerative back-feed function.
- Cold Start.
- Temperature compensated charger.
- Split bypass input.
- Econo-mode operation.
- TUV, CE, ISO9001, ISO14001 certified.
- 2 year on-site warranty.
- 10 years spare parts support.
- Manufactured according to EC Directive; EN62040.

Technical Specifications											
MODEL	UPDS310	UPDS315	UPDS320	UPDS330	UPDS340	UPDS360	UPDS380	UPDS3100	UPDS3120	UPDS3160	
Power (kVA)	10	15	20	30	40	60	80	100	120	160	
INPUT											
Voltage	380/400 VAC 3P + N + G ± 20% (at 100% load) / - 40% (at 70% load)										
Frequency	50Hz / 60Hz , ± 5%										
Power factor (at 100% load)	≥ 0.99										
THDI (*)	≤ 3%										
By-pass voltage	380/400 VAC 3 Phase + N, ± 10%										
Voltage distortion	≤ 10%										
Protections	Fuses, Voltage & Frequency tolerance, Input power limit, Phase sequency indicator										
OUTPUT											
Power (kW)	9	13,5	18	27	36	54	72	90	108	144	
Power factor	0.9 (0,8 and 1 optional)										
Voltage	380/400 VAC 3P + N, ± 1% (415 VAC optional)										
Frequency	50Hz / 60Hz										
Frequency tolerance	Line synchronized: ± 2% (adjustable) / Free running: ± 0,1%										
Efficiency	up to 95%										
Crest factor	3:1										
Overload capacity	100% - 125% load: 10 min, 125% - 150% load: 1 min, - > 150% load: by pass										
Other protections	Advanced short circuit, Voltage tolerance, DC balance, Regenerative load, Current limiting										
VoltageTHD	≤ 3% (at 100% linear load)										
BATTERY											
Type	VRLA AGM / GEL / NiCd										
Number of batteries	2x30 (±30) : 60 pieces										
Charge voltage	2x405 VDC										
End of discharge voltage	2x300 VDC										
Battery cabinet	Internal					External					
Battery ambient temperature	25°C										
Protections	3 level alarms, Battery fuses, Charging current limit, Temperature compensation (optional)										
Automatic testing	Standard every 72 hours (adjustable)										
GENERAL											
Standards	EN62040-1, EN62040-2, EN62040-3										
User interface	4 lines LCD panel, Mimic leds, 5 vector buttons, Buzzer, Optional TFT panel										
Indicators	P-N voltage, P-P voltage, Current, Power, Crest Factor, Frequency, PF, Service Time										
Advanced	Self diagnostics, 3 maintenance time indicators, Calibration over RS232, operating hour meter										
Communication	2xRS232 serial ports, 4 standard and 8 optional DRY contact alarm relays										
Inputs	EPO input, Interactive battery panel input, Genset input										
Genset kit	Standard (programmable)										
Software	Standard T-Mon UPS Management Software (3 clients + 1 server management)										
Alarm logging	Standard:with time & date 512 events										
Protections	Power module over-temperature, Overcurrent, Temperature high alarm										
Temperature ranges	0°C - 40°C										
Protection degree	IP20										
Relative humidity	95% max. (non-condensing)										
Altitude	< 1000m above sea level										
Acoustic noise	< 57 dBA			< 62 dBA				< 65 dBA			
Net weight (kg)	87	87	91	100	173	197	209	220	232	265	
Dimensions (mm) HxWxD	1040x400x815					1440x515x855					
OPTIONS											
Different input / output voltage	Please ask										
Transformer	Galvanic isolation transformer at the input & output (internal)										
Software	T-Mon Admin Multi UPS monitoring 10-50-100-200 clients, T-Mon Server 50-100-200 clients										
Adaptors	SNMP, RS485, Remote monitoring panel, MODBUS (RS485 or TCP/IP), USB Alarm Logger, TCP/IP, GSM/GPRS Modem, Comport multiplexer										
Parallel operation	up to 8 units										