

UPDS 300 series



Uninterruptible Power Supply 3-3 Phase 200kVA-650kVA

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	UPDS3200	UPDS3250	UPDS3300	UPDS3400	UPDS3500	UPDS3550	UPDS3650
Power (kVA)	200	250	300	400	500	550	650
INPUT							
Voltage	380/400 VAC 3P + N + G ± 20% (415 VAC +15%, - 25% optional)						
Frequency	50Hz / 60Hz, ± 5%						
Power factor	≥ 0.99						
(THDI) (*)	≤ 3%						
By-pass voltage	380/400 VAC 3P + N , 4 Wires, ± 10%						
Voltage distortion	≤ 10%						
Protection	Fuses, Voltage & Frequency tolerance, Input power limit, Phase sequency indicator						
OUTPUT							
Power (kW)	180	225	270	360	400	495	585
Power factor	0.9				0.8	0.9	
Voltage	380/400 VAC 3 Phase + N , ± 1% (415 optional)						
Frequency	50Hz / 60Hz						
Frequency tolerance	Line synchronized: ± 2% / Free running: ± 0,1%						
Efficiency	up to 95%						
Crest factor	3:1						
Overload protection	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						
Voltage THD	< 3% (at 100% linear load)						
BATTERIES							
Type	VRLA AGM / GEL / NiCd						
Nominal voltage	± 360 VDC						
Float / End of discharge voltage	± 405 VDC / ± 300 VDC						
Battery cabinet	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	TFT panel, 5 vector buttons, Buzzer,						
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, Over current, Temperature high alarm						
Temperature range	0°C - 40°C						
Protection degree	IP20						
Relative humidity	90% max. (non-condensing)						
Altitude	< 1000m. above sea level						
Acoustic noise	< 68 dBA			< 72 dBA			
Weight without batteries (kg)	482	550	638	737	780	1452	
Dimensions (mm) HxWxD	1900x880x775		1900x1250x775		2040x1250x840	1940x1610x1050	
OPTIONS							
Different input / output voltage	Please ask						
Transformer	Galvanic isolation transformer at the input & output						
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),						
Parallel operation	up to 8						
(*) Depending on power and input/output conditions							