

AC/DC[®] UPS

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UPSon DS Power Series Uninterruptible Power Supplies True Online 3 Phase Input - 3 Phase Output



200-500 kVA

- Transformerless UPS topology
 - High input power factor
 - High efficiency up to 94%
 - Cold start function
- Static and maintenance by-pass switch
- Output short circuit and overload protection
 - External REPO switch input
- 192 events memory (192 events 4500 alarms)
 - Clock and calendar (battery supported)
- Automatic battery test, remaining battery time indicator
 - Temperature compensated charge system (optional)
 - 2 RS232 serial ports and 12 dry contact outputs
 - 3 DSP controlled modular structure
- Low input current total harmonic distortion (THD)
 - Output current limiting
- Advanced diagnostics for the input
 - Selectable input/output voltage/frequency/range
 - Split by-pass input (second input)
 - Output DC leakage protection
 - Separate DSP for inverter control
 - Separate DSP for the PFC
 - 3 level battery protection
 - High charge current capacity
- Charge/discharge current indicator
 - Advanced remote control features
- Manufactured according to EC Directive; EN62040
 - 2 years warranty, 10 years spare parts support

AC/DC[®] UPS UPSon DS Power Series (200 - 500 kVA)

Uninterruptible Power Supply Technical Specification

MODEL	DS3200	DS3250	DS3300	DS3400	DS3500		
Power (kVA)	200	250	300	400	500		
INPUT							
Voltage	380/400 VAC 3P + N + G ± 20% (415 VAC +15%, - 25% optional)						
Frequency	50Hz / 60Hz , ± %5						
Power factor (at 100% load)	≥ 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 sequence indicator						
OUTPUT							
Power(kW)	180	225	270	360	400		
Power factor	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 (2x30 batteries)						
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 client + 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		
Dimensions (mm) HxWxD	1900x880x775			1900x1250x775			
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), USB Alarm Logger, TCP/IP, GSM/GPRS Modem, Comport multiplexer						
Parallel operation	up to 8						

