



DS-300 Power Serie



Uninterruptible Power Supply
200-800kVA



Cold Start **High Input Power Factor** High efficiency up to 94% **External REPO switch input**
IGBT Transformerless Technology DSP Control.

Technical Specifications

- Low input current total harmonic distortion (THD)
- Static and maintenance bypass switch
- Output and by-pass short circuit and overload protection
- 192 events memory (192 events 4500 alarms)
- Clock and calender (battery supported)
- Automatic battery test, remaining battery time indicator
- Temperature compensated charge system
- Regenerative backfeed function
- 2 RS232 serial port and 12 dry contact outputs
- 3 DSP controlled modular structure
- Optional Graphical and touch panel
- CE, ISO9001, ISO14001 certification
- 2 years warranty
- 10 years spare parts support

Pf: 0,9
True On-line
3:3 Phase UPS
200-800 kVA

Specifications

MODEL	DS3200	DS3250	DS3300	DS3350	DS3400	DS3450	DS3500	DS3600	DS3800
Power (kVA)	200	250	300	350	400	450	500	600	800
INPUT									
Voltage	380/400 VAC 3P + N + G, ± 20% (optionel 415 VAC (+15%, -25%)								
Frequency	50Hz / 60Hz adjustable , ± 5%								
Power factor (at 100% load)	≥ 0.99								
THDI	≤ 3%								
By-pass voltage	380/400 VAC 3P + N, ± 20%								
By-pass protection	Short circuit, Voltage & Frequency tolerance, VAT transfer system								
Voltage distortion	< 10%								
Protection	Fuses, Voltage & Frequency tolerance, Input power limit,Phase sequency indicator								
OUTPUT									
Power (kW)	180	225	270	315	360	405	450	540	720
Power factor	0,9								
Voltage	380-400 VAC 3P + N + G, ± %1								
Frequency	50Hz / 60Hz (adjustable)								
Frequency tolerance	Line synchronized: ± 1% / Free running: ± 0,2% (adjustable)								
Efficiency (at 100% load)	up to 94%								
Crest factor	3:1								
Overload capacity	100% - 125% load: 10 min, 125% - 150% load: 1 min, - > 150% loa d: by pass (adjustable)								
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								
Number of batteries	2x30: 60 pcs								
Charge voltage	2x405 VDC								
End of discharge voltage	2x300 VDC								
Battery cabinet	External								
Battery ambient temperature	25°C								
Protection	3 level alarms, Battery fuses, Charging current limit, Temperature compensation (optional)								
Battery test	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 (3 users + 1 server management)								
Alarm logging	Standard: with time & date 512 events								
Protection	Power module over-temperature, Over current, Temperature high alarm								
Working temperature range	0°C - 40°C								
Protection class	IP20								
Relative humidity	%90 max. (non-consending)								
Altitude	< 1000m. above sea level								
Acoustic noise	< 68 dBA		< 72 dBA		< 73 dBA				
Net weight (kg)	482	550	638	737	780	1050	1250	1450	
Dimensions (mm) WxDxH	880x775x1900		1250x775x1900		1250x840x2040		1600x1020x1900		
Input/Output	110/208 VAC (up to 200 kVA)								
Transformer	Galvanic isolation transformer at the input& output								
Software	T-Mon Admin Multi UPS monitoring, T-Mon Server 50-100-200 clientsi DLOG log loader								
Adaptors	SNMP, MODBUS, RS485, Remote moni								
Parallel operation	up to 8								
Memory	Usb log memory								