

DSX Series

200KVA-500KVA

Three Phase UPS



The DSX range UPS uses the latest DSP technology to be programmed to suit a wide variety of electrical environments without impeding its performance. With the DSX range, efficiency, reliability and functionality are enhanced to levels unattainable with the old analogue technology. This technology does not only create significant increase in MTBF, but the capability of DSP to accurately manipulate signals at very high speed permits all the UPS subsystems to be controlled with greatly increased precision

- Full digital structure
- Small footprint
- Ecomode operation (optional)
- Fewer electronic components
- Output current limiting
- Advanced diagnostics for the input
- Selectable input/output voltage/frequency/range
- Split by-pass input (second input)
- Output DC leakage protection
- Seperate DSP for inverter control
- Seperate 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
- Transformerless UPS topology
- Low input current total harmonic distortion (THD)
- High input power factor
- High efficiency up to 95%
- Cold start function
- Static and maintenance by-pass switch
- Output short circuit and overload protection
- External REPO switch input
- 512 events memory (512 events 45000 alarms)
- Clock and calender (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
- Optional SNMP and MODBUS adaptors
- Optional usb flash memory

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MODEL	DSX3200	DSX3250	DSX3300	DSX3400	DSX3500
POWER	200	250	300	400	500
INPUT					
Voltage	380/400 VAC 3P + N + G \pm 20% (415 VAC +15%, - 25% optional)				
Frequency	50Hz / 60Hz, \pm 5%				
Power Factor	>0.99				
THD	\leq 3%				
By-pass voltage	380/400 VAC 3P + N , 4 Wires, \pm 10%				
Protection	Fuses, Voltage & Frequency tolerance, Input power limit, Phase sequency indicator				
OUTPUT					
Power (kW)	0,9				
Voltage	380/400 VAC 3 Phase + N , \pm 1% (415 optional)				
Frequency	50Hz / 60Hz				
Frequency tolerance	Line synchronized: \pm 2% / Free running: \pm 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				
Number of batteries	2x30: 60pcs				
Charge voltage	2x405 VDC				
End of discharge voltage	2x300 VDC				
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 leve				
Acoustic noise	< 68 dBA	< 68 dBA	< 72 dBA		
Weight without batteries (kg)					
Dimensions (mm) HxWxD	1975x880x848			2000x1243x874	
OPTIONS					
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), TCP/IP, GSM/GPRS Modem, Comport multiplexer				
Parallel operation	up to 8 units				

