

DS POWER XL

120-250kVA

3-Level Technology

IGBT Rectifier

DSP Control



TOWER



UPS ONLINE



SERVICE /
TECH. SUPPORT



ECO FRIENDLY



0.9



The new DS Power XL range UPS uses the latest DSP technology to be programmed to suit a wide variety of electrical environments without impeding its performance. With the DS Power XL 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.

GENERAL SPECIFICATIONS

- Transformerless UPS topology
- 3 Level rectifier and inverter
- High input power factor
- High efficiency up to 96.0%
- 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 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
- Optional SNMP and MODBUS adaptors
- Optional graphical panel
- 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
- 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

TECHNICAL SPECIFICATIONS

MODEL	DXL3120	DXL3160	DXL3200	DXL3250
Power (kVA)	120	160	200	250
INPUT				
Voltage	380/400 VAC 3P + N + G \pm 20% (at 100% load) / - 40% (at 70% load)			
Frequency	50Hz / 60Hz, \pm 10%			
Power factor (at 100% load)	\geq 0.99			
(THDI) (*)	\leq 3%			
By-pass voltage	380/400 VAC 3 Phase + N, \pm 10 (adjustable)			
Input voltage THD	\leq 10%			
Protection	Fuses, Voltage & Frequency tolerance, Input power limit, Phase sequency indicator			
OUTPUT				
Power (kW)	108	144	180	225
Power factor	0.9			
Voltage	380/400 VAC 3P + N, \pm 1% (415 VAC optional)			
Frequency	50Hz / 60Hz			
Frequency tolerance	Line synchronized: \pm 2% (adjustable) / Free running: \pm 0.1%			
Efficiency	up to 95.5%		up to 96.0%	
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	\leq 2% (at 100% linear load)			
BATTERIES				
Type	VRLA AGM / GEL / NiCd			
Nominal voltage	\pm 360 VDC			
Float / End of discharge voltage	\pm 405 VDC / \pm 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	5 vector buttons, Buzzer, 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 range	0°C - 40°C			
Protection degree	IP20			
Relative humidity	90% max. (non-condensing)			
Altitude	< 1000m above sea level			
Acoustic noise	< 62 dBA		< 65 dBA	
Weight without batteries (kg)	210	220	262	295
Dimensions (mm) HxWxD	1440x475x890			1440x475x970
OPTIONS				
Different input / output voltage	Please ask			
Transformer	Galvanic isolation transformer at the input & output (external)			
Software	T-Mon Admin Multi UPS monitoring 10-50-100-200 clients, T-Mon Server 10-50-100-200 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			
(*) Depending on power and input/output conditions				