

DX Series UPS for Data Centers 100 - 500 kVA 480 Vac 3Ph



DX Series UPS is a 480V three-phase transformer-less double conversion UPS.

DX Series UPS is for banking, medical and telecommunication data centers, and large corporate offices.

FEATURES

Clean power

Transformer-less double conversion three-phase UPS with sine wave output
Low input current THD minimizes disruption of mains power

Low energy consumption

High input and output power factor
Max efficiency of up to 94%

Advanced battery management

High charge current capacity
Automatic testing for battery capacity

Flexible and compatible

Cold start up without AC mains power
Parallel operation of up to 8 UPS
Static and maintenance bypass switch

System Management

LCD front panel display
Dry contacts and RS232
T-Mon UPS Management software

Options

Eco Mode	Remote Display Panel
Parallel Kit	GSM/GPRS Modem
Temp. Compensation Charging Kit	SNMP Card
Input Galvanic Isolation Transformer	MODBUS card
Output Galvanic Isolation Transformer	TCP/IP Card
TFT Display	RS485 Card
	USB Alarm Logger

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SPECIFICATIONS

Model - DX	33080-480	33100-480	33120-480	33160-480	33200-480	33250-480	33300-480	33400-480	33500-480
kVA	80	100	120	160	200	250	300	400	500
kW	72	90	108	144	180	225	270	360	450
Input									
Voltage	480 Vac 3P + N + E (+15 %, -20 %)								
Frequency	60 Hz ±5 %								
Power factor	≥ 0.99 (from 50 % load)								
Current THD	≤ 3% (at 100 % load)								
Bypass	Adjustable voltage (default ± 10 %), frequency 60 Hz ±5%								
Protection	Fusing, voltage and frequency limits, input power limit, phase sequence indicator								
Output									
Voltage	480 Vac (Phase to Phase) 3P + N ±1 %								
Frequency	60Hz (±2 % synchronous, ±0.1 % inverter mode)								
Efficiency	Up to 94.5 %								
Crest factor	3:1								
Load protection	125 % for 10 min, 125 % - 150 % for 1 min, >150 % load bypass								
THD	< 2 % at 100% linear load								
Protection	Short circuit, voltage, DC balance, regenerative load, current limit								
Battery									
External battery	2 x 30 pcs 12V								
Voltage	±360 Vdc								
Float voltage	±405 Vdc								
End discharge voltage	±300 Vdc								
Battery test	automatic, every 72 hours (adjustable)								
General									
Input ports	EPO, interactive battery panel, genset input								
Genset kit	Standard programmable								
Communication ports	4 standard and 8 optional dry contact alarm relays, RS232 (2)								
Software	Standard T-Mon UPS Management software								
Operation	0 - 40 °C								
Humidity	< 95% non-condensing								
Altitude	< 2000 m								
Noise	< 68 dBA					< 72 dBA			
Weight kg	405	485	540	590	820	1040	1150	1340	1490
H x W x D mm	1770 x 825 x 855					1900 x 1250 x 1055			
LVD / EMC / Performance	EN 62040-1 / EN 62040-2 / EN 62040-3								