



YOUR ULTIMATE POWER PROTECTION PARTNER



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MXL33 10kVA-60kVA

The MXL33 UPS is a 3-phase In/Out online double conversion UPS available from 10kVA to 60kVA with an output power factor 1. It is compatible with a wide range of battery autonomies enabling it to provide long backup times whenever necessary. The MXL33 series is designed to provide ultimate performance in power protection and redundancy for critical systems requiring high power availability. It has USB and RS-232 communication ports as standard, with a built-in intelligent slot for optional protocol converters (e.g. SNMP...). The MXL33 Series is the best solution for different applications: server rooms, data centers, healthcare sector, financial applications...

Description

- Extra Long Backup
- 3-phase In/3-phase Out
- True Online Double Conversion Design
- Pure Sine Wave Output
- Fully Digitized Microprocessor Control
- DSP Technology
- Output Power Factor 1
- Active Input Power Factor Correction (PFC 0.99)
- 50/60 Hz Frequency Converter
- Wide Input Voltage Range
- Built in Automatic Bypass
- Generator Compatible
- N+X Parallel Redundancy Configuration ¹
- Emergency Power Off Function (EPO)
- Cold Start Function (DC Power On)
- Advanced Battery Management (ABM Technology)
- Automatic Diagnostics & Battery Check
- High Overload Capability and Enhanced Short Circuit Protection
- Eco Mode For Energy Saving
- Isolation Transformer ¹
- Programmable Power Management Outlets
- Multi-Function LCD Display
- Software Monitoring and Control
- Smart RS-232/USB Communication Port
- SNMP/AS-400 Communication Slots ¹

¹ Optional Features

Technical Specifications

Model	Model	MXL 10k 33	MXL 15k 33	MXL 20k 33	MXL 30k 33	MXL 40k 33	MXL 60k 33
Model	Rating	10000VA	15000VA	20000VA	30000VA	40000VA	60000VA
	Output Power	10000W	15000W	20000W	30000W	40000W	60000W
	Voltage	380/400/415 VAC, 3 Ø 4 wires					
Input	Voltage Range	176-276 VAC at 100% load, 110-300 VAC at 50% load					
	Frequency	40 to 70 Hz					
	Power Factor	>99% at 100% load					
	Total Harmonic Distortion	<3% at 100% load					
Output	Voltage (backup mode)	380/400/415 VAC +/-1%, 3 Ø 4wires					
	Frequency (backup mode)	50/60 Hz +/-1 Hz					
	Waveform	Pure sine wave					
	Transfer Time (AC to Batt. Mode)	0 ms					
	Transfer Time (Inverter to Bypass)	0 ms					
	Total Harmonic Distortion	≤1% (linear load), ≤4% (non linear load)					
	Crest Factor	3:1					
Efficiency	AC Mode	96.5%					
	Battery Mode	95.5%					
Protection	Overload (AC Mode)	110% for 60min, 125% for 10min, 150% for 1min, >150% for 400ms					
	Short Circuit	UPS output cuts off immediately using input fuse/circuit breaker protection					
System Display	LCD Indicators	UPS status, load level, battery level, input/output voltage, discharge time and fault indicators					
Battery	Battery Type	SLA, Nicad, Li-ion					
	Battery Number	+/-8 ~ +/-10 (adjustable)	+/-16 ~ +/-20 (adjustable)				
	Nominal DC Voltage	+/-96 ~ +/- 120VDC	+/-192 ~ +/-240 VDC				
	Typical Recharge Time	Depending on capacity of external batteries					
	Charging Current	1A ~ 12A (adjustable)				1A ~ 16A (adjustable)	2A ~ 24A (adjustable)
	Charging Voltage	+/-109.2 ~ +/-136.5 VDC	+/-218 ~ +/-273 VDC				
	Backup Time	Longer backup time depending on extra battery pack					
Audible Alarm	Battery Mode	Sounding every 4 sec					
	Low Battery	Sounding every second					
	Overload	Sounding twice every second					
	Fault	Continuously sounding					
Communication	USB or RS-232	Interface with power management software					
	SNMP, AS-400 ¹	Power management from SNMP manager and web browser					
	Compatibility	Supports Windows family, Linux, Unix, and Mac					
Physical	Dimension WxDxH (mm)	250x630x826			300x815x1000		360x790x1010
	Net Weight (kg)	28	43	60	67	108	
Environment	Operating Temperature	0 to 40°C					
	Altitude	Maximum elevation at 1000m					
	Audible Noise	<60dB at 1m			<63dB at 1m		<65dB at 1m
	Operating Humidity	0 to 95% humidity (non-condensing)					
Standards & Certifications	Performance	EN 50091-3/IEC 62040-3					
	Safety	UL 1778, CE, EN 50091-1, EN 69050 (RD), IEC 60950					
	EMC (EMS/EMI)	IEC 61000-4-2/-3/-4/-5/-6/-8/-11, IEC 61000-3-2/-3, FCC Part 15, CISPR 22, EN 50091-2/IEC 62040-2 Class A, EN 55022/B, FCC 47 Part 15 - Subpart B -					
	Design, production & services	ISO 9001					
	Environment	ISO 14001 certified company					
	Marking & Certifications	CE, TUV/GS, UL,cUL, c-Tick					

¹ Optional Features

PCE[®]

P O W E R

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