

Power

MX Series

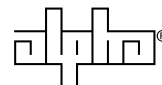
Rackmount Power Inverters



- Truly, redundant N+1 power inverter
- Offers the cleanest true sine wave power available
- Hot-swappable for easy service and maintenance
- Extremely lightweight and compact in design

MTI offers the world's first truly redundant, modular inverter system. No single malfunction will cause the inverter system to fail. Power levels are expandable and modules can be added or replaced without interruption in power to your critical loads. Output voltage is precisely regulated, so that no measurable voltage change occurs on the output as input voltage fluctuates. The MX Series can be configured for power levels from 1 to 20kW with 120V output and up to 40kW at 240V bi-phase or 60kW at 208V 3-phase.

*Power protection policy available in US only.



MX Series

Nominal Specifications

Output Power

Continuous Power:	1000W
Surge Power:	2200W
No Load Power:	20W
Output Voltage:	230/117/100V
Output Current:	4.3/8.6/10

Input Power

Voltage:	12V	24V	32V	48V	66V	108V
Minimum:	10.4	19	26.5	41.5	57.5	94/94
System:	13.8	27.6	36.8	55.2	75.9	124
Maximum:	17	34	45	62	94	149
Efficiency – 100%:	85%	87%	87%	87%	88%	88%
Efficiency – 33 1/3%:	87%	89%	89%	89%	90%	90%

General Specification

Waveform:	Sinusoidal
Line Regulation:	0.1%
Load Regulation:	0.3%
Distortion:	1.5%
Frequency:	Nominal

Mechanical

Height (in/mm):	7 / 178
Depth (in/mm):	15 / 381
Width (in/mm):	7 / 178 9.97 / 253 19 / 483 23 / 584
Width (in/mm):	7.5 / 3.4

Protection Circuitry

Over Voltage:	Shutoff at maximum input voltage per input conditions
Under Voltage:	Shutoff at minimum input voltage per input conditions
Thermal:	105°C internal Warning alarm at 5°C before shutoff
Output Short:	Unit shuts off: Circuit breaker protected and electronically limited

Environmental

Temperature:	-25°C to 40°C full power, derate at 20% per 10°C above 40°C
Humidity:	5-95% non condensing
Altitude:	-200 to 10Kfeet full power, derated above 10k
Audible Noise:	Less than 45dbA
Cooling:	1kW thermostatically controlled forced air
Finish:	Polyurethane base paint
Warranty:	One full year parts and labor

For more information visit www.mtitechnologies.com

MTI Technologies

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