

PXe-C Series Static Frequency Converter

PXe-330250-C-3P400V50-3P480V60-250KVA-IP22 | 250kVA | 400V 50Hz to 480V 60Hz

Cabinet-based 250kVA static frequency converter configured to convert a 400V, three-phase 50Hz supply to a regulated 480V, three-phase 60Hz output. The PXe-C Series is intended for higher-capacity industrial conversion and project-specific fixed-frequency applications.

The specification below records the electrical, environmental, mechanical and compliance details for this configured unit.



Rated capacity 250kVA	Input 400V 3PH, 50Hz	Output 480V 3PH, 60Hz	Enclosure IP22
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1. General

Model	PXe-330250-C-3P400V50-3P480V60-250KVA-IP22
Capacity	250kVA
Phase	Three Phase

2. Input

Nominal Voltage	400V (L-L) $\pm 10\%$, 3 Phase 4 wire +G
Acceptable Range	360V-440V (L-L)
Frequency	50Hz
Power Factor	> 0.9 (18 Pulse Rectifier)

3. Output

Nominal Voltage	277V (L-N) / 0-480V (L-L), 3 Phase 4 wire + N
Rated Current	300A per phase @ 277V
Frequency	60Hz
Voltage Accuracy	< $\pm 1\%$ FS
Frequency Accuracy	< $\pm 0.1\%$ FS
Total Harmonic Distortion (THD)	THD < 3% @ Linear Load, pure sine wave output
Load Current Crest Factor Capability	3:1
Overload Capacity	100% continuous, <110% - 15 minutes, <125% - 10 minutes, <150% - 1 minute, <200% - 5 seconds

Construction, environment and compliance

Remaining specification values for the individual configured unit

4. Control, protection and enclosure

Interface	RS485
Protection	Over Current, Overload, Over Voltage, Overheat, Short Circuit, Alarm and Indicators
Enclosure IP	IP22
LCD Display	Frequency Meter Voltage Meter Current Meter Power Meter PF Meter
Connectors	Hard-Wire Terminal Blocks

5. Environment

Temperature	Operational: -10C~55C Ambient: -10C~45C
Noise	<65dB at 1 meter, EN55022, IEC1000-4
Humidity	10~90% non-condensing
Cooling	Variable speed fan, air intake in base, exhaust at rear
Altitude	<1800 meters
Castors or Feet	0.5-3kVA have rubber feet and lifting handles; 4kVA+ have castors with front brakes. A/Vs or feet optional

6. Reliability and efficiency

Mean Time Between Failure (MTBF)	50,000Hrs
Mean Time to Restore (MTTR)	<30 minutes
Overall Efficiency	>90%

7. Dimensions and weight

Dimensions	1540 x 880 x 1600mm
Weight	1250kg

8. Standards

CE	CE Marked, UL Conforming
Standards	GB 50054-95, GB 50150-1991, GB 50150-2006, GB 50171-1992, GB/T 16935.5-2008, GB/T 16935.4-2011
Additional standards	EN IEC61000-3-2, EN 6100-3-3, EN55032, EN55035, MIL-STD 461, MIL-STD 704, STANAG 1008

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