

PXe-A Series Variable AC Power Supply

PXe-330030-A | 30kVA | 480V 60Hz input | Dual-range three-phase variable AC output

Three-phase 30kVA variable AC power supply configured for a 480V, 60Hz input and dual-range 0-260V / 0-520V three-phase output at 45-200Hz. The PXe-A Series provides adjustable AC voltage and frequency for controlled test and equipment supply applications.

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



Rated capacity 30kVA	Input 480V 3PH, 60Hz	Output 0-520V 3PH, 45-200Hz	Enclosure IP22; IP54 optional
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1. General

Model	PXe-330030-A
Capacity	30kVA
Phase	Three Phase

2. Input

Nominal Voltage	277 (L-N)/ 480V (L-L) $\pm 5\%$, 3 Ph 3W + G
Acceptable Range	456V-504V
Frequency	60Hz $\pm 5\%$
Power Factor	> 0.8 (Standard)

3. Output

Nominal Voltage	Low Range 0-150V (L-N)/ 0-260V (L-L) High Range 0-300V (L-N)/ 0-520V (L-L) 3 Phase $\pm 2\%$, 4W + G
Rated Current	Low Range 66.6A per phase @ 150V High Range 33.3A per phase @ 300V
Frequency	45-200Hz $\pm 5\%$
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 >200% output cut off

Construction, environment and compliance

Remaining specification values for the individual configured unit

4. Control, protection and enclosure

Interface	RS232C/ Optional remote PLC including Protection fault indicators & smart fan control
Protection	Over Current, Overload, Over Voltage, Overheat, Short Circuit, Alarm and Indicators
Enclosure IP	IP22, (IP54 Optional)
LCD Display	Frequency Meter Voltage Meter Current Meter Power Meter PF Meter
Connectors	Hard-Wire Terminals, EN60309, MIL-STD, or client choice

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	<3000 meters
Castors or Feet	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	550x900x1000mm
Weight	290kg

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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