

PXe-400F-DC Series Ground Power Unit

PXe-330060-400F-DC | 60kVA | 380V 50Hz input | 208V 400Hz AC + 28Vdc output

Mobile 60kVA ground power unit configured for a 380V three-phase 50Hz input, 208V three-phase 400Hz AC output and auxiliary 28Vdc output. The PXe-400F-DC Series combines aircraft-frequency AC and DC ground power in a mobile IP54 format.

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



Rated capacity
60kVA

Input
380V 3PH, 50Hz

Output
208V 3PH 400Hz + 28Vdc

Enclosure
IP54

1. General

Model	PXe-330060-400F-DC
Capacity	60kVA
Phase	Three Phase in/Three Phase + DC out

2. Input

Nominal Voltage	220V (L-N)/380V (L-L) $\pm 10\%$, 3 Phase, 4 Wire (L1, L2, L3 +N+G)
Acceptable Range	342V - 418V (L-L)
Frequency	50Hz
Power Factor	> 0.8

3. Output

Nominal Voltage	120V (L-N)/ 208V (L-L) $\pm 10\%$, 3 Phase, 4 Wire (L1, L2, L3 +N+G)
Rated Current	166A per phase @ 120V
Frequency	400Hz $\pm 1\%$
Output 2	28Vdc
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
Protection	Over Current, Overload, Over Voltage, Overheat, Short Circuit, Alarm and Indicators
Enclosure IP	IP54
LCD Display	Frequency Meter Voltage Meter Current Meter Power Meter PF Meter
Connectors	20m line cables with F16 Block 70/72 type aircraft. Must be factory installed

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	Mobile Trolley requested, with rubber wheels and swivel tow bar

6. Reliability and efficiency

Mean Time Between Failure (MTBF)	50,000Hrs
Mean Time to Restore (MTTR)	<30 minutes
Overall Efficiency	· 85%

7. Dimensions and weight

Dimensions	1000x700x1550mm
Weight	460kg

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

PX Electronics Limited
Unit 13B, Southview Park, Marsack Street, Reading, RG4 5AF, United Kingdom
Company Registration # 13831134 | VAT # GB 452 3378 93

Technical enquiries
+44 118 206 7525
info@pxelectronic.com
www.pxelectronic.com