

FESX-5000P

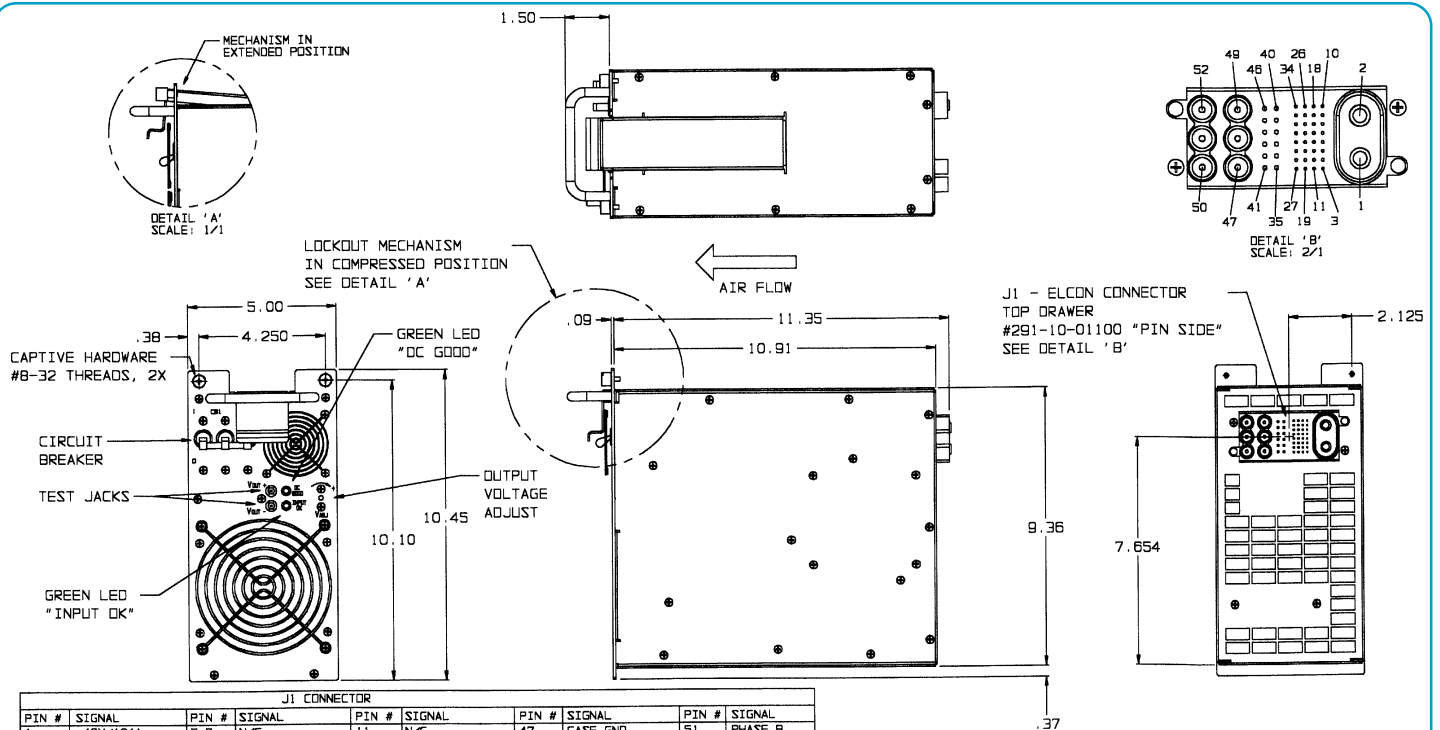
5000 WATTS - INDUSTRY LEADING 9.8W/IN³



FEATURES:

- 5000 Watts in 5" x 9.36" x 10.9" Size!
- 208 Vac Input with Power Factor Correction (Greater Than 0.93)
- -48VDC/104A Output
- True Hot Swap with ELCON Floating Top Drawer Connector
- N+1 Redundant with Internal Oring Diodes
- Zero Wire Current Sharing
- DC_OK Signal with LED
- Ruggedized Mechanical Design
- Two Year Warranty
- Greater than 500,000 Hrs MTBF in Redundancy

FESX-5000P



* IN PDF FORMAT, PRINT OR ZOOM TO SEE DRAWING

Nominal Input Voltage	208 VAC, 16A max, Three Phase.
Frequency	47-63 Hz , 400Hz available.
Operational Input Voltage Range	187-264 VAC Power Factor 0.95 Typical at Full Load.
Inrush Current	Less than 200 msec. 40 amperes @ 220 VAC.
Fusing	(3 X 25 Ampere), 250 VAC, Very fast acting.
Hold up time	20msec minimum after loss of AC Input at full load and any input
Efficiency	85% typical
Turn on time	1 sec max. from power up.
Line and Load Regulation	±1% over AC input range and 0 to 100% load change.
Minimum Load	No minimum load required.
Ripple & Noise	Through 20MHz 500mVpk-pk, with coaxial probe and 0.1uF/10uF capacitors at the connector.
Transient Response	Output maximum excursion of ± 5% for full load step. Recovery less than 500 μsec.
Overshoot/Undershoot	No turn-on or turn-off overshoot.
Output Isolation	Isolated from chassis ground, 50Vdc.
Input/Output Isolation	2200 VDC from input to both chassis/outputs. SELV construction.
Reverse Voltage	Protected against reverse voltage to supply current rating.
Overvoltage Protection	Shutdown at 130% of nominal Vout Recycle input power to reset.
Overtemperature Protection	Unit shuts down if overheated. Auto reset.
Leakage Current	2.0mA max at 240Vac.

Current Limiting	Output short circuit protected with FOLDBACK protection. Auto Recovery.
Paralleling	Two or more supplies can be operated in parallel and will share current to within 10% of each other.
Redundant	Full power N+1 redundant with integral Oring Diodes.
Remote Sense	Compensates for up to 2V total distribution voltage drop.
ENABLE	Floating OPTO Input, Energize to turn on.
Output Setting	Can be configured -46.0 to -56.0 Vdc.
DC_OK Signal	Floating OPTO output which goes high whenever the output fails, an over-temperature condition, an over voltage shut down.
Indicators	Green LED indicating DC_OK. Green LED indicating INPUT OK.
Cooling	Forced Air Cooled, Back - Front design.
Operating Temperature	-20°C to 40°C operating temperature.
Stability	0.1% for 8 hrs. after 30 minute warm-up.
Humidity	Up to 95% non-condensing.
Storage Temperature	-40°C to 85°C.
Connector	ELCON Top Drawer
Size	5" x 9.36" x 10.9" Weight: 28 lbs.
EMC	Meets EN55022 Level A / FCC Class A conducted. (When used in FERX-5000 Rack).
Safety	Consult factory.