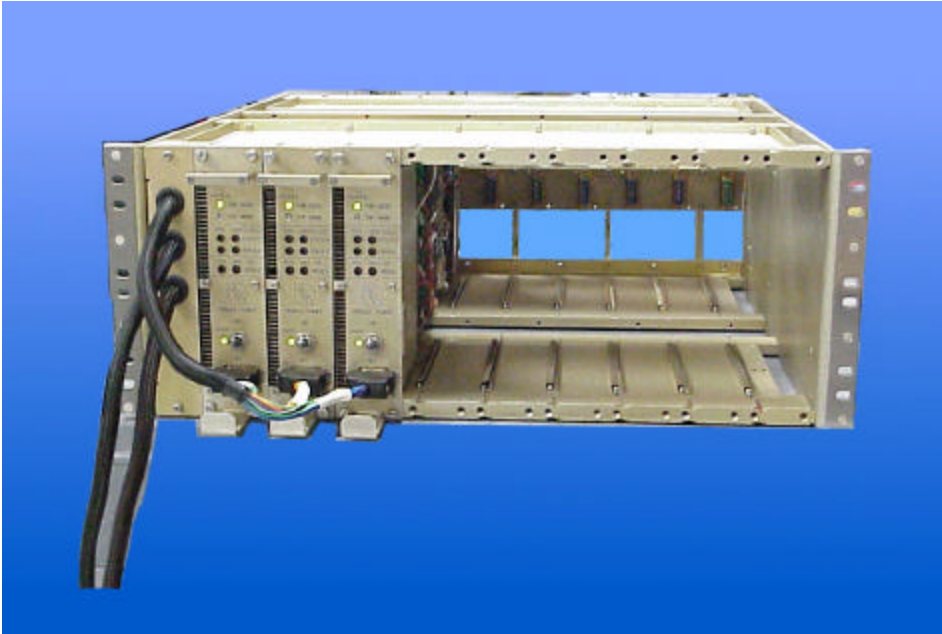


POWER FACTOR CORRECTED LOW VOLTAGE POWER SUPPLY



THE COMPANY

Advanced Conversion Technology specializes in designing and manufacturing power supplies to meet today's most demanding environmental, performance, and miniaturization requirements. Benefiting from many years of applied experience and employing advanced, modular, circuit topologies and superior packaging techniques, every power supply provides optimum performance density in a producible package. Incorporating proven technology and skilled craftsmanship, ACT power supplies are specifically tailored to the application...without the usual and expected high cost.

ACT's quality system has been approved (by Government and Customers) to be in conformance with MIL-I-45208 and ISO 9001. Normal workmanship standards are certified to MIL-HDBK-454; IPC/EIA J-STD-001C, other current high REL specifications are available.

THE PRODUCT

The Power Supply shown above is designed utilizing ACT's unique 3-phase power factor correction circuitry, which meets MIL-STD-1399 section 300A and MIL-STD-461D. Full load ride through time, as shown, is greater than 70ms with optional battery backup the ride through time can be increased to UPS requirements. The input power factor is > 0.99 with <3% total harmonic distortion. This device is comprised of nine separate 1KW module building blocks, an input EMI filter module, and a 60 Hz square wave inverter module (rated @ 1KW).

This highly specialized LV power supply is just one of many created by Advanced Conversion Technology. The same experienced and highly qualified engineers stand ready to design a power supply for your specific requirement...promptly, reliably and economically.

FEATURES

AUTOMATIC LOAD SHARING
TEMPERATURE MONITORING
3-PHASE POWER FACTOR
CORRECTED
INDIVIDUAL SWAPPABLE
MODULES
T.H.D. <3%
FULLY ISOLATED
"COTS" / MILITARY DESIGN
OVERVOLTAGE PROTECTION
FORCED AIR COOLED
ON/OFF CONTROL
RACK MOUNTED
MODULES CIRCUIT BREAKER
PROTECTED
INTERNAL MODULARIZATION

ACT PROGRAMS

AIR:

F-18	F-5E
F-14	V-22
JAS (Sweden)	RF-4C
J-Stars	AWACS
B-52	A-10

P3

TANK:

HIRE
 DTV
 M1-A2
 LEOPARD II

SHIPBOARD:

FFG
 SG47
 DD963
 TRIDENT
 NSSN

MISSILE:

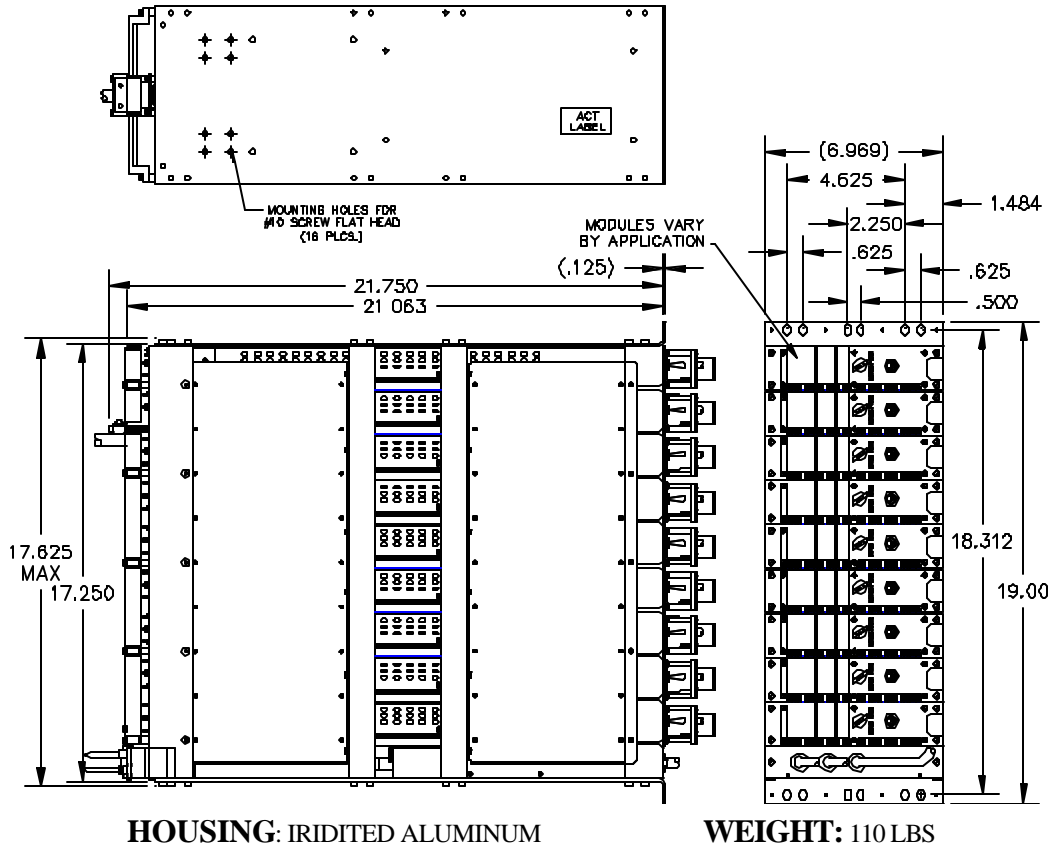
AMRAAM
 PHOENIX
 SEA SPARROW
 ERINT

TOMAHAWK

HELICOPTER:

BLACK HAWK
 LHX
 HNVS (Several)
 APACHE

POWER FACTOR CORRECTED LOW VOLTAGE POWER SUPPLY SR 2121



REPRESENTED BY:



**ADVANCED
CONVERSION
TECHNOLOGY**

2001 Fulling Mill Road
P.O. Box 70
Middletown, Pennsylvania 17057
PHONE: 717-939-2300
FAX: 717-939-7170
EMAIL: EMAIL@ACTPOWER.COM

CHARACTERISTICS ELECTRICAL

INPUT

3 SEPARATE, 115VAC, 3-PHASE, 3 WIRE, FLOATING NEUTRAL

OUTPUTS

VOLTAGE	CURRENT AMPS	RIPPLE MAX P TO P	REGULATION		
			LINE	LOAD	TEMP
150 DC	60 ¹⁾	3V	±5%	0-FULL	.02%/°C
28 DC	3.5 ²⁾	0.3V	±3%	0-FULL	.02%/°C
150 AC	6.7 ³⁾	N/A	N/A	N/A	N/A

- 1) FULL N+1 REDUNDANCY INCLUDING ONE 3Ø INPUT AT 40 AMP
- 2) HOT SLAPABLE 1KW MODULES
- 3) 150VDC CURRENT SHARE BUSS

ENVIRONMENTAL

TEMPERATURE: 0°C TO +50°C
VIBRATION: MIL-STD-167, 4 TO 20 Hz
SHOCK: 15G PEAK, 40ms ½ SINE WAVE
EMI: MIL-STD-461D
ALTITUDE: 15,000 FT. OPERATING
EXPLOSIVE DECOMPRESSION, SALT SPRAY, SAND AND DUST, HUMIDITY