

## Strong Box Series

## 600-800 Watt Front End Power Supply Modules



### PRODUCT DESCRIPTION

The Strong Box Series of 600-800 Watt Front End Power Supply Modules and Mating 1U High / 19" Rack Mount Chassis offer the ideal solution to your redundant power requirements. These hot-swap / redundant power modules offer a full complement of status & control signals required by today's leading edge systems. Features Include:

- 600 - 800W power modules
- Includes OR-ing diode for N+1 parallel operation
- Universal AC input with PFC
- RoHS compliant
- 48 - 56VDC output
- International regulatory approvals
- Active load current share

### INPUT

AC Input Voltage	90-264VAC, 47-63Hz
InRush Current	<50A @ 250 VAC (Cold Start)
Input Fuse	Single 10A / 250 VAC Fast Action Fuse
Power Factor Correction	>0.95 for EN61000-3-2 Class D
Input Line Protection	Per Module
Hold-up Time	> 20msec (Full Load & 110 VAC)

### STATUS & CONTROL

Remote Inhibit	Active Low = Off
DC Fail	Active Low = Fail
AC OK	LED Indicator
Current Share	Single Wire
Remote Sense	Compensates for < 250mV Drop
Auxiliary Output	5V / 30mA per module
Voltage Adjustment	± 5%

### OUTPUT

Line Regulation	± 0.2%
Transient Response	<5%, recovers in < 0.5msec
Over-Voltage Protection	110-125%
Load Regulation	± 0.5%
Min. Load Requirement	n/a
Turn-On Delay	<2sec
Initial Setting Accuracy	± 1%
Ripple @ Noise (V1)	150mv pk-pk max per Module
Overload Protection	115-115% of Module rating

### ELECTROMAGNETIC COMPATIBILITY

Electrostatic Discharge	EN61000-4-2, ±4KV Contact / ±8KV Air
Radiated Susceptibility	EN61000-4-3, 26-1000MHz, 10V/M, 80% AM
EFT / Bursts	EN61000-4-4, ±2KV
Surges	EN61000-4-5, ±2KV Line-Earth, ±1KV Line-Line
Conducted Immunity	EN61000-4-6, 0.15-800MHz, 10V, 80% AM
Voltage Dips	EN61000-4-11, 95% Dip & 10ms, 30% Dip & 500ms
Voltage Interruptions	EN61000-4-11, 95% Reduction, 5s
Fluctuations & Flicker	EN61000-3-3

### ENVIRONMENTAL

Operation Temperature	-5 ~ +50C, derate 2.5%/C up to 70C max
Temperature Protection	Internal Heatsink >90C (auto-recovery)
Storage Temperature	-40 ~ +85C
Cooling	2 Ball Bearing Fans Per Module
Humidity	<95% Non-Condensing
Shock & Vibration	EN300 019-2-1, 2, 3
MTBF	>375k Hours (BellCore Gb B332 @ 50C)

### SAFETY & EMISSIONS

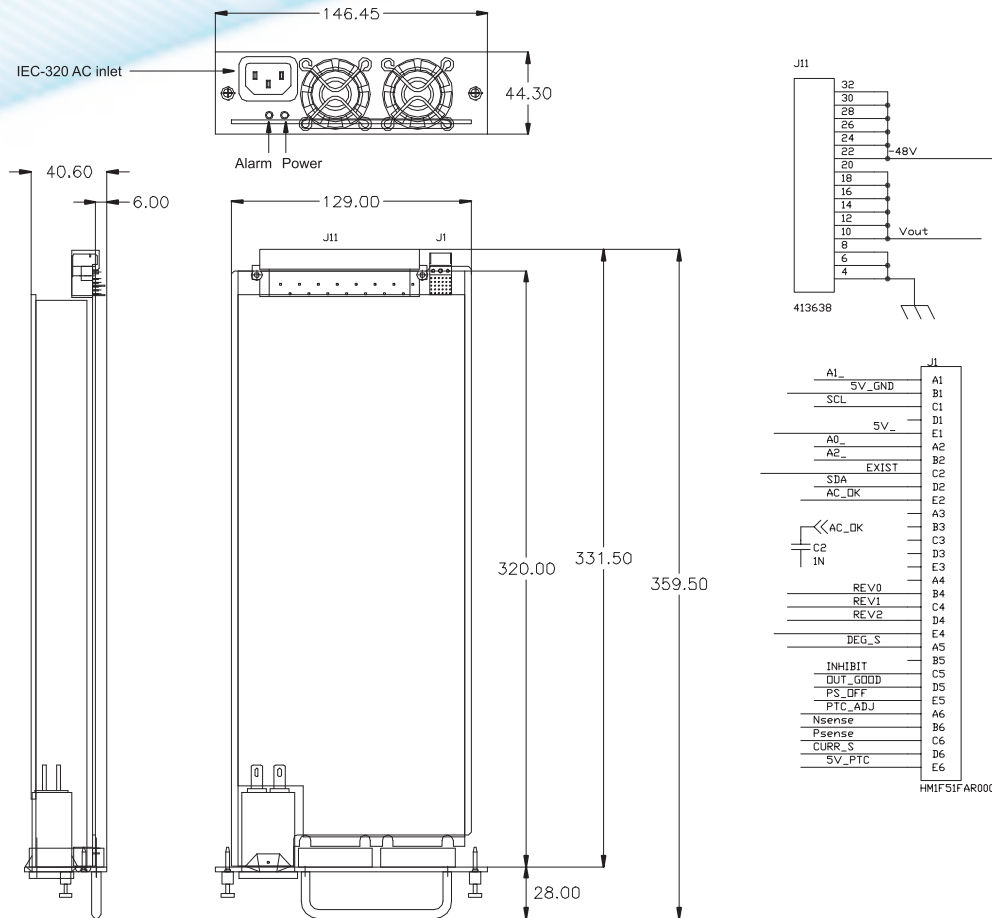
Safety Approvals	UL/cUL 60950, EN60950, CE Mark (LVD)
EN55022	Class B (In Rack Mount Chassis)



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## 600 Watt Front End Power Supply Module

Power Modules					Shelf (PS2150)
Model	Input	Output Power	Output Voltage	Output Current	Output Power
PS2100	90-264VAC	600 Watts	48V	12.5A	1800 Watts
PS2156	90-264VAC	600 Watts	56V	14.3A	1800 Watts
PS2180	90-264VAC	800 Watts	48V	16.7A	2400 Watts



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