

REV: 081125



PRODUCT FEATURES:

- 2025 Watt Hot-Swap / Redundant Rectifier Module
- Single Wire Current Share
- Full Featured Status & Control Signals
- Front Panel LED Indicators
- World Wide Safety Approvals & Class A Emissions
- Works with the ARS24-150 Power Shelf
- Works with the ARSC System Controller



INPUT SPECIFICATIONS:

VOLTAGE	220V AC \pm 10%
FREQUENCY	47-63Hz
INRUSH	20A@230VAC Input Range (Max Cold Start)
CURRENT	15A (Max. Continuous)
PROTECTION	Single 25A Fuse / 250 VAC
LEAKAGE	750uA Max @ 264 VAC
EFFICIENCY	91% typical
HARMONICS	EN61000-3-2 Class D Compliant ($>$ 0.98 PF)

OUTPUT SPECIFICATIONS:

OUTPUT	+27 VDC / 75 Amps
ADJUSTMENT RANGE	23V to 29V DC
MINIMUM LOAD	None
LINE REGULATION	\pm .5% Max over entire input range
LOAD REGULATION	\pm .5% maximum
RIPPLE	$<$ 200mV pk - pk (20MHz BW)
SETPOINT ACCURACY	\pm .5%
OVER CURRENT	115-135% (Auto-Recovery)
OVER VOLTAGE PROTECTION	29V DC (recycle input to reset)

STATUS & CONTROL SPECIFICATIONS:

ON/OFF SWITCH	Press in to turn module on
ON LED	Green when Output within specification
STBY LED	Yellow when AC applied and module turned off
FAIL LED	Red with module failure
V ADJUST	Adjust Output 22.8V to 29V DC

GENERAL SPECIFICATIONS:

OPERATING TEMPERATURE	-40 $^{\circ}$ ~65 $^{\circ}$ C
STORAGE TEMPERATURE	-40 ~ +85 $^{\circ}$ C
COOLING	Internal Thermally Controlled Ball Bearing Fan
HUMIDITY	5-95% (non-condensing)
VIBRATION	10-55Hz, 2G, 3Min Period, / 60 min each (3 axes)
SHOCK	20G Peak Acceleration
RELIABILITY	$>$ 100k Hours (Full Load & 25 $^{\circ}$ C Operation)
SIZE	2.16" x 15.96" x 4.82" (W x L x H)

EMISSIONS:

EMISSIONS	EN55022 Level A (Conducted)
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 Earth, 1kV Line-Line
CONDUCTED IMMUNITY	EN61000-4-6, 0.15-800MHz, 10V 80%
VOLTAGE DIPS	EN61000-4-10, 95% Dip & 10ms, 30% Dip & 500r
VOLTAGE INTERRUPTIONS	EN61000-4-11, 95% reduction, 5ms
FLUCTUATIONS & FLICKER	EN61000-3-3

SAFETY STANDARDS (TBD):

UL/CUL	60950-1
CE MARK	Low Voltage Directive



OUTLINE DRAWING:

