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# 3U Power Supplies

Power Supplies



75 Watt



150 Watt



350 Watt

### 75 Watt - 1 slot wide (4 HP)

Output					
+5V	+3.3V	+12V	-12V	Model Number	Type
5A	10A	1A	.5A	2600-075	AC
5A	10A	1A	.5A	2650-075	DC

### 150 Watt - 2 slots wide (8 HP)

Output					
+5V	+3.3V	+12V	-12V	Model Number	Type
20A	7A	2A	1A	2600-150	AC
20A	7A	2A	1A	2650-150	DC

### 350 Watt - 3 slots wide (12 HP)

Output					
+5V	+3.3V	+12V	-12V	Model Number	Type
30A	40A	7A	1A	2600-350	AC
30A	40A	7A	1A	2650-350	DC

These three power supplies are compliant with PICMG 2.11, defining electrical, mechanical and packaging standards. The 3U format offers space saving advantages and the range of power levels from 75 Watt to 350 Watt, offer broad design latitude.

There are AC and DC versions of each supply. The AC versions feature autoranging power input from 100 to 240 VAC and the DC versions from 36 to 72 VDC.

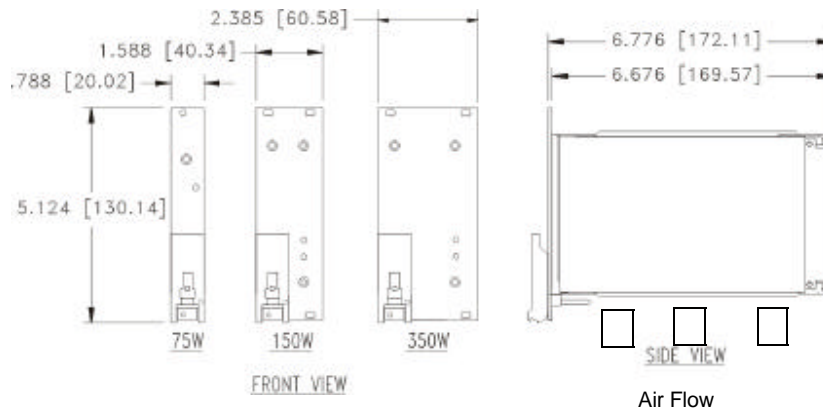
If desired, other input voltage levels as well as modifications of output to suit your particular needs can be accommodated. Also, the metal case, including front panel, can be customized on request.

#### Common Features:

- 3U High
- Modular design with P47 connector
- Current share, redundant (N+1) & Hot Swap
- EMC card panel with ejector/injector
- Meets cPCI power specifications PICMG 2.11
- AC input versions: Universal 100-240 VAC (50-60 Hz)
- DC input versions: 36-72 VDC
- Requires outside air source
- Thermal protection
- Short circuit protection
- Designed to meet FCC pt 15 class A, CISPR 22 class A
- UL 1950, CSA 22.2-950, VDE EN 60950

# Power Supplies

# Specifications



Power Supplies

Power Supply Specifications			
Input Voltage Range	2600-075	2600-150	2600-350
Input Voltage Range	100-240 VAC	100-240 VAC	100-240 VAC
Input Frequency	47 - 440 Hz	47 - 440 Hz	47 - 440 Hz
Input Surge Current	10A max @ 110 VAC	14A max @ 110 VAC	14A max @ 110 VAC
Efficiency	75% typ. full power	72% typ. full power	75% typ. full power
<b>OUTPUT</b>			
V1	+5V@5A	+5V@20A	+5V@30A
V2	+3.3V@10A	+3.3V@7A	+3.3V@40A
V3	+12V@1A	+12V@2A	+12V@7A
V4	-12V@0.25A	-12V@1A	-12V@1A
Minimum Load Requirement	V1 & V2: 1A	V1 & V2: 1A	V1 & V2: 2A
Total Output Power Limit	115% of max rated Power	115% of max rated Power	115% of max rated Power
Power Factor Correction	N/A	.99 at 110 VAC .98 at 220 VAC	.99 at 110 VAC .98 at 220 VAC
Ripple Noise (all outputs)	1% P to P will full load or 50mV, whichever is greater	1% P to P will full load or 50mV, whichever is greater	1% P to P will full load or 50mV, whichever is greater
Turn-on Time	1 Sec	1 Sec	1 Sec.
Hold-up Time	8 ms at full load	8 ms at full load	8 ms at full load
Current Sharing		Multiple power supplies can be operated in parallel and will share +5V current to within 10%	
Remote Sense	V1 & V2 to a .25V drop in load	V1 & V2 to a .25V drop in load	V1 & V2 to a .25V drop in load
<b>ENVIRONMENTAL &amp; PROTECTION</b>			
Operating Temperature Range	0°C to 70°C; Derate linearly from full power at 40°C with 200lfm to half power at 70°C with 200 lfm; Supply shuts down at thermal limit and restarts automatically when thermal condition is relieved.		
Cooling Requirements @ full power	200 lfm at 40°C, forced air through the power supply		
Storage Temperature Range	-40°C +85°C	-40°C +85°C	-40°C +85°C
Relative Humidity	5% to 95%, non-condensing	5% to 95%, non-condensing	5% to 95%, non-condensing
Vibration	MIL 810E	MIL 810E	MIL 810E
Altitude	6,000 ft. est	6,000ft. est	6,000 ft. est
Over Current Protection	115% of nominal. If condition occurs, current will foldback		
Thermal Protection	Thermal switch shuts down the supply if critical temperatures are exceeded. Unit will automatically restart when acceptable temperatures return.		
Over Voltage Protection	Shutdown occurs at 125% of output voltages. Output latches and reset requires a recycling of the input power		
Short Circuit Protection	All Voltages	All Voltages	All Voltages
<b>PHYSICAL</b>			
Weight	1 lb 1 oz	2 lbs 4 oz	2 lbs 14 oz
Dimensions	3U X 4HP (0.8")W X 160mm	3U X 8HP (1.6")W X 160mm	3U X 12HP (2.4")W X 160mm
Mating Connector	P47 Connector	P47 Connector	P47 Connector
<b>RATINGS</b>			
Agency	AC: UL 1950, CUL22.2-950 VDE EN 60950, pending	AC: UL 1950, CUL22.2-950 VDE EN 60950, pending	AC: UL 1950, CUL22.2-950 VDE EN 60950, pending