

Features:

- Universal AC Input with Active Power Factor Correction
- International Medical Safety Approvals
- Low Profile 7.50 x 1.75 x 4.50" Package
- Top-Mount Fan for Self-Cooled Operation
- Short circuit, Over load, Over voltage Protection Circuits
- Power Fail, Remote Inhibit & Remote Sense (V1 & V2)
- Convection Cooled Operation
- High Efficiency Operation up to 88%
- 1 year warranty



Input Specifications:

Input Range	Universal AC input Range (90-264 VAC)
Input Frequency	47-63 Hz
Inrush Current	30A max @ 115VAC / 60A max @ 230VAC (cold start)
Input Current	4.7A rms @ 115 VAC / 2.3A rms @ 230 VAC input
Efficiency	70% Typical
Hold-up Time	12ms minimum, full load & 115VAC Operation
Leakage Current	<100 μ A @ 115 VAC / < 220 μ A @ 230VAC Input
Harmonics	EN61000-3-2, Class D Compliant (>0.98 PF Typ.)

Output Specifications:

Adjustment Range	\pm 5%
Minimum Load	Multiple Outputs (V1 & V2 Only, See Output Table)
Regulation	\pm 0.2% Line
Ripple / Noise	\pm 2% pk-pk max, whichever is greater (20MHz)
Set-Point Accuracy	\pm % (maximum)
Over Current Protection	Protected against short circuits
Over Voltage Protection	115-140% of V1 nominal

Status & Control Signals:

- Remote Inhibit
- Remote Sense
- Power Fail
- Aux Fan Output

Electromagnetic Compatibility:

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

Environmental Specifications:

Operating Temp	-10~50°C Full Load (De-Rate 2.5%/°C up to +71°C max)
Storage Temp	-40°C ~ +85°C max.
Cooling	Internal Ball Bearing Fan
Humidity	20~90%RH (non-condensing)
Vibration	10-55Hz, 2G, 3min period/60 min each (3axes)
Shock	20G Peak Acceleration
Reliability	>500k hours MTBF (per EIAJ RCR-9102)

Safety & Emissions:

- UL/cUL60601-1
- TUV EN60601-1
- CE Mark (LVD)

- EN55011 Level B Emissions

PM300-1 Series

200-300 Watt Single Output Switching Power Supplies

PROTEK

Medical Approved Switching Power Supplies

Output Models:

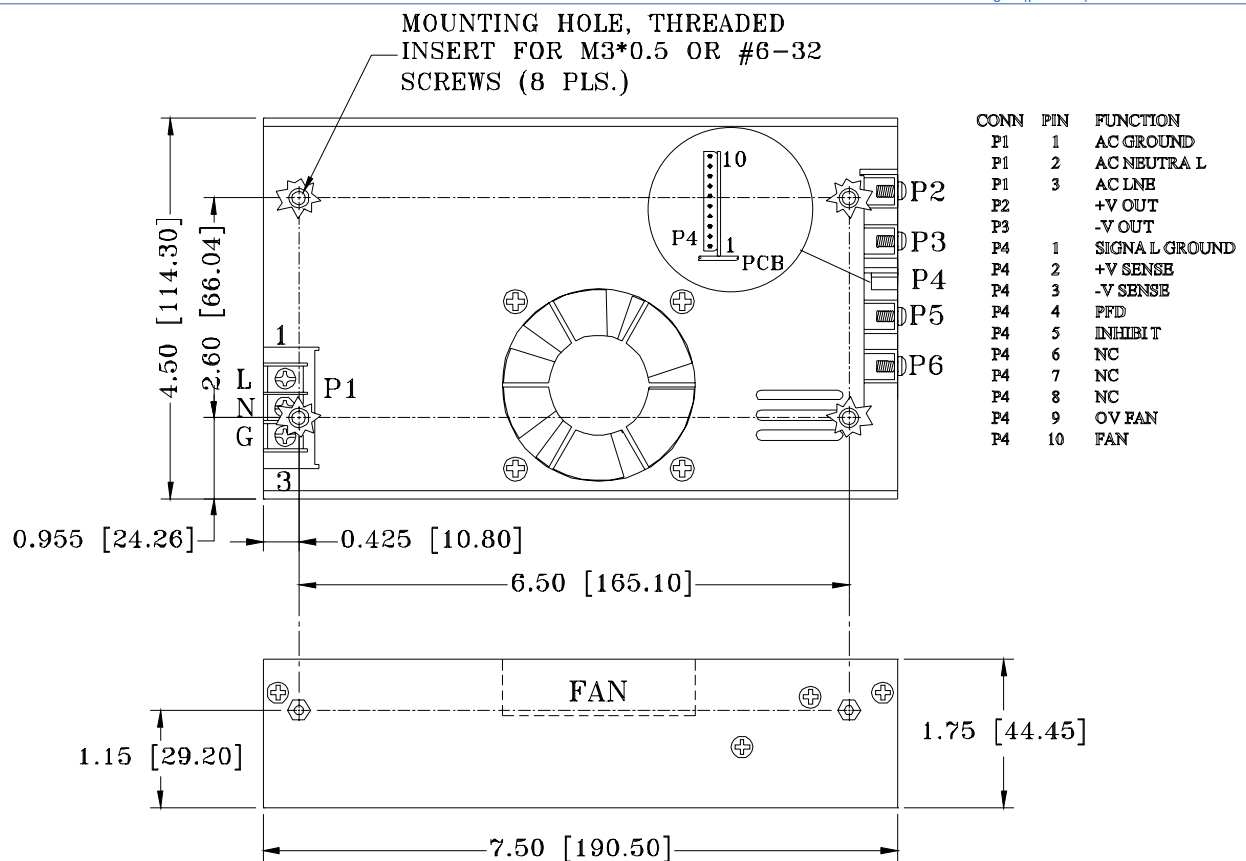
PM300-10-3C	3.3V 60A
PM300-10C	5.1V 60A
PM300-12C	12V 25A
PM300-13C	15V 20A
PM300-14C	24V 12.5A
PM300-16C	30V 10A
PM300-18C	48V 6.3A

- Outputs are Isolated / Floating and can be referenced as positive or negative

Mechanical Specifications:

Weight (pounds):

2.73



Soft Copy of this Specification:
<http://www.powergatellc.com/pdfs/PM300-1.pdf>

Contact sales for individual model specifications