

Features:

- Hot-Swap / N+1 Redundant Operation
- Universal AC Input (47-63 Hz) with active Power Factor Correction
- Power Good Signal
- 100,000 hours MTBF (25°C Full Load Operation)
- International Safety Approvals & CE Mark
- Power Modules meet Class B Emissions (no external filter required)
- Reduced Minimum Load Requirements
- High Efficiency MosFET Design - no OR'ng Diodes
- Improved Regulation - Each Output is mag amp controlled
- 3 Year Warranty



Input Specifications:

Input Range	Universal VAC (90-264 VAC) & 120-370 VDC
Input Frequency	47-63 Hz or DC
Inrush Current	100A @ 115VAC / 50A @ 230VAC max (cold start)
Input Current	7A @ 90 VAC / 3.5A @ 200 VAC Maximum
Efficiency	70% Typical
Hold-up Time	Half Cycle Minimum @ 120 VAC and 80% load
Leakage Current	<3.5mA maximum @ 264 VAC
Harmonics	EN61000-3-2 Class D

Output Specifications:

Adjustment Range	Fixed at Factory
Minimum Load	See Output Table
Regulation	V1-V4 = 3% V4 & V5 = 5% VSB=3%
Ripple / Noise	± 1% pk-pk max (20MHz)
Set-Point Accuracy	±2 % (maximum)
Over Current Protection	125-150%, Recycle AC to re-start
Over Voltage Protection	125-150%, latched shutdown

Status & Control Signals:

- Remote Sense
- Power Good
- 5VSB
- Power Supply OK
- Remote on/off

Electromagnetic Compatibility:

Electrostatic Discharge	EN61000-4-2, ±4KV Contact / ±8KV Air Discharge
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 Specifications:

Operating Temp	RPS300: 0 ~ 50°C RPS200: 0 ~ 70°C (Consult Derating Curve)
Storage Temp	-20 ~ +85°C
Cooling	Internal Ball Bearing Fans
Humidity	5 to 95% RH Non-Condensing
Vibration	3 Axes 1 Oct/min, 5 min at 4 Res. 0.75G Pk, 5-500Hz
Shock	20G Peak Acceleration
Reliability	>100k hours MTBF (Full Load and 25°C Operation)

Safety & Emissions:

- UL/cUL 60950-1
- CB Report IEC 60950-1
- CE Mark (LVD)
- FCC Class B / EN55022 Class B

Output Models:

RPSM200-1	+5V 0.5-20A	+3.3V 0.5-15A	+12V 0-9A	-5V 0-1A	-12V 0-1A	+5VSB 0-1.5A
RPSM200-2	+5V 0.5-20A	+12V 0-11A	-5V 0-1.0A	-12V 0-1A		+5VSB 0-1.5A
RPSM300-1	+5V 0.5-30A	+3.3V 0.5-22A	+12V 0-11A	-5V 0-1A	-12V 0-1A	+5VSB 0-1.5A
RPSM300-2	+5V 0.5-30A	+12V 0-15A	-5V 0-1.0A	-12V 0-1A		+5VSB 0-1.5A

Power Supply Modules Only:

2 Power Supply Modules with chassis

RPS300-1	+5V 0.5-30A	+3.3V 0.5-22A	+12V 0-11A	-5V 0-1A	-12V 0-1A	+5VSB 0-1.5A
RPS300-2	+5V 0.5-30A	+12V 0-15A	-5V 0-1.0A	-12V 0-1A		+5VSB 0-1.5A
RPS200-1	+5V 0.5-20A	+3.3V 0.5-15A	+12V 0-11A	-5V 0-1A	-12V 0-1A	+5VSB 0-1.5A
RPS200-2	+5V 0.5-20A	+12V 0-11A	-5V 0-1.0A	-12V 0-1A		+5VSB 0-1.5A

200 Watt Models: V1 & V2 Combined Output Current not to exceed 30 Amps

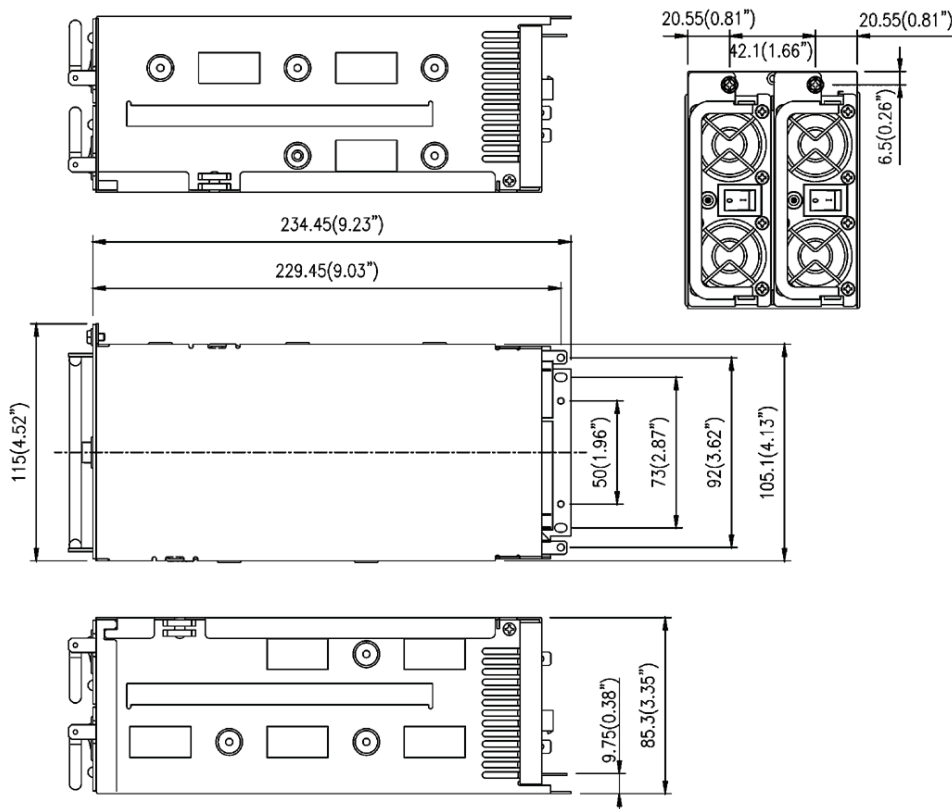
300 Watt Models: V1 & V2 Combined Output Current not to exceed 20 Amps

Mechanical Specifications:

Weight (pounds):

n/a

Contact us for wire harness and pin assignment information.



Soft copy of this specification:

<http://www.powergatellc.com/pdf/rps.pdf>