

Features:

- High Power Density 10.7w/inch in
- Low 1U High Profile
- Universal AC Input with Active PFC (>0.95 PF)
- Built-in 5V/0.5A Auxiliary Power
- Output Voltage Trim Range of -40 ~ +110%
- Built-in DC Cooling Fan
- Active Current Sharing up to 4,000W (3 +1)
- Full Featured Status & Control:
 - Single Wire Current Share
 - DC OK Signal
 - Remote ON-OFF Control
 - Remote Sense
- 3 Year Warranty



Input Specifications:

Input Range	Universal AC input Range (90~264VAC / 127~370VDC)
Input Frequency	47-63Hz
Inrush Current	25A max @ 115VAC / 40A max @ 230VAC (cold start)
Input Current	12A max @ 115VAC / 6A max @ 230VAC (continuous)
Efficiency	83-90% Typical (depending on output model)
Hold-up Time	16ms full load (minimum)
Leakage Current	<2.0mA maximum @ 240VAC
Harmonics	EN61000-3-2,-3 Class D Compliant

Output Specifications:

Adjustment Range	-40/+10% (minimum) V1
Minimum Load	n/a
Regulation	±0.5% Line / ±0.5% Load
Ripple / Noise	150mV pk-pk maximum (20MHz)
Set-Point Accuracy	±1 % (maximum)
Over Current Protection	105-125% (Reset to Recover)
Over Voltage Protection	115~135% (Reset to Recover)

Status & Control Signals:

- Remote Sense
- 5VSB @ 500mA
- DC OK Signal
- Remote On/Off Control
- Single Wire Current Share

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	EN61000-4-100, 95% Dip & 10ms, 30% Dip & 500ms
Voltage Interruptions	EN61000-4-11, 95% reduction, 5s
Fluctuations & Flicker	EN61000-3-3

Environmental Specifications:

Operating Temp	-20~+60°C (see detailed specs for derating curves)
Storage Temp	-40°C ~ +85°C max.
Cooling	Built-in DC Fans
Humidity	10~90%RH (non-condensing)
Vibration	10~500Hz, 2G 10min/1 cycle for 60 min (3 axes)
Shock	20G Peak Acceleration
Reliability	See Detailed Specification

Safety & Emissions:

- UL/cUL 609501-1
- TUV EN60950-1
- CB Report (IEC60950-1)
- CE Mark (LVD)
- EN55022 (CISPR22) Class B

RSP-1000 Series

1000 Watt Single Output Power Supply

Mean Well

General Purpose Switching Power Supplies

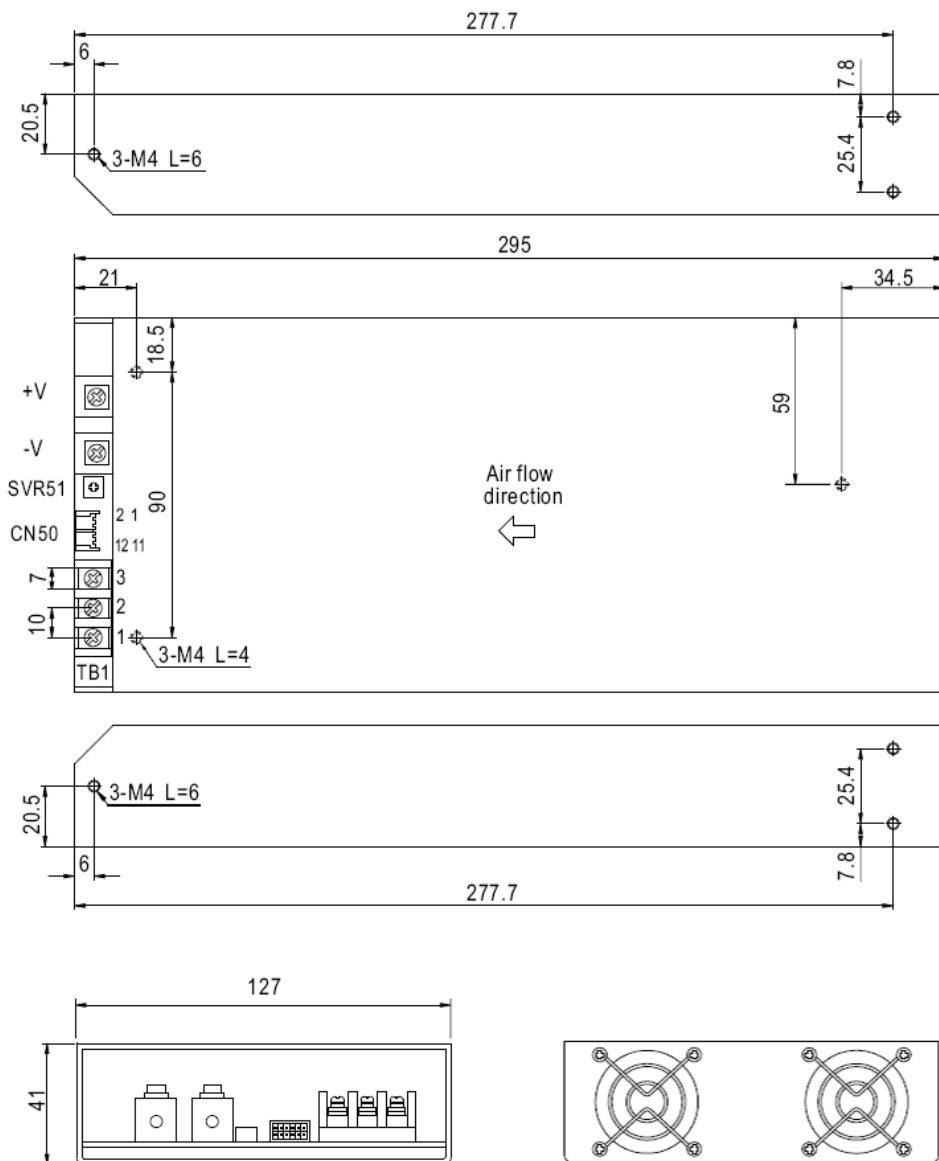
Output Models:

RSP-1000-12	12V 60A
RSP-1000-15	15V 50A
RSP-1000-24	24V 40A
RSP-1000-27	27V 37A
RSP-1000-48	48V 21A

Mechanical Specifications:

Weight (pounds):

4.30



Control Connector
JST PHDR-12VS or equivalent

Pin	Function
1	+ SENSE
2	- SENSE
3	-V AUX
4	+V AUX
5	DC OK
6	ON/OFF
7	CURRENT SHARE
8	Vco
9	Vci
10	Vca
11	GROUND
12	GROUND

Soft Copy of this Specification:
<http://www.powergateinc.com/pdfs/RSP-1000.pdf>

Detailed Specifications:
<http://www.meanwell.com/search/rsp-1000/rsp-1000-spec.pdf>