

Features:

- Universal AC Input Range
- Fully Enclosed Package measures only 2.46 x 2.00 x 1.10"
- Convection Cooled Operation
- Utilizes 105°C Long-Life Electrolytic Capacitors
- Short Circuit, Over Voltage, Over Current and Over Temperature Protection Circuits
- Withstand 300 VAC Surge input for up to 5 seconds
- High Reliability with an MTBF of 1608K hours
- LED Indicator for power on
- 3 Year Warranty



Input Specifications:

| | |
|-----------------|--|
| Input Range | Universal AC input Range (85-264VAC / 120-370VDC) |
| Input Frequency | 47-63 Hz |
| Inrush Current | 50A max @ 230VAC (cold start) |
| Input Current | 0.35A max @ 115VAC / 0.25A max @ 230VAC (continuous) |
| Efficiency | 72-82% Typical (depending on output model) |
| Hold-up Time | 70ms/230VAC, 15ms/115VAC at full load |
| Leakage Current | <2mA maximum @ 240 VAC |
| Harmonics | EN61000-3-2, 3 Class D Compliant |

Output Specifications:

| | |
|-------------------------|---|
| Adjustment Range | -5/+10% (minimum) |
| Minimum Load | none |
| Regulation | ±0.5% Line / See Output Table for Load Regulation |
| Ripple / Noise | 80-200mV pk-pk maximum (20MHz) |
| Set-Point Accuracy | ±1-3 % (maximum) |
| Over Current Protection | >105%, auto-recovery (hiccup mode) |
| Over Voltage Protection | 115-135% of V1 nominal |

Status & Control Signals:

LED Power On Indicator

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~+70°C (refer to de-rating curve) |
| Storage Temp | -40°C ~ +85°C max. |
| Cooling | Convection Cooled Operation |
| Humidity | 20~90%RH (non-condensing) |
| Vibration | 10~500Hz, 5G 10min/1 cycle for 60 min (3 axes) |
| Shock | 20G Peak Acceleration |
| Reliability | >1608K hours minimum per MIL-HDBK-217F (25°C) |

Safety & Emissions:

- UL/cUL60950-1
- TUV EN60950-1
- CB Report
- CE Mark (LVD)
- EN55022 (CISPR 22) Class B

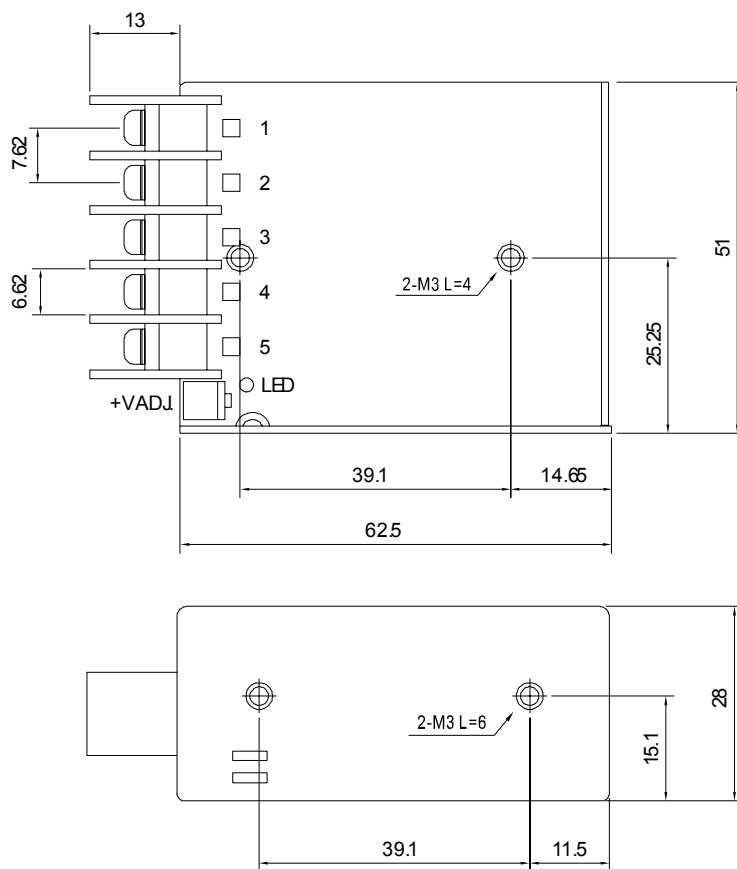
Output Models:

| | | |
|-----------|------------|-----------------------|
| RS-15-3.3 | 3.3V 3A | ±2% Load Regulation |
| RS-15-5 | 5V 3A | ±1.5% Load Regulation |
| RS-15-12 | 12V 1.3A | ±0.5% Load Regulation |
| RS-15-15 | 15V 1A | ±0.5% Load Regulation |
| RS-15-24 | 24V 0.625A | ±0.5% Load Regulation |
| RS-15-48 | 48V 0.313A | ±0.5% Load Regulation |

Mechanical Specifications:

Weight (pounds):

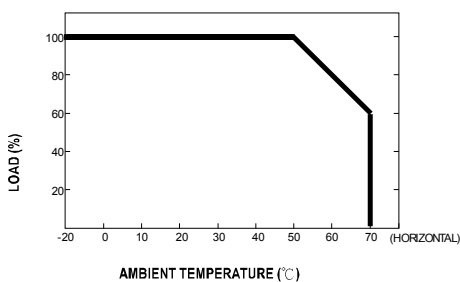
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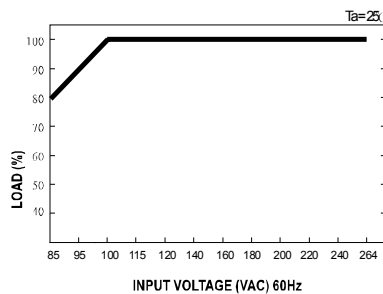
Pin Assignments:

| Pin # | Function |
|-------|--------------|
| 1 | AC Line |
| 2 | AC Neutral |
| 3 | Field Ground |
| 4 | -V Output |
| 5 | +V Output |

Derating Curve



Output Derating VS Input Voltage



Soft copy of this specification:
<http://www.powergatellc.com/pdfs/RS15.pdf>

Detailed specification:
<http://www.meanwellusa.com/search/rs-15/rs-15-spec.pdf>