



**FEATURES**

- Active power factor correction (PFC)—0.99 typ.
- Compliant to IEC1000-3-2
- Continuous wide-range input voltage
- Meets international safety standards
  - UL1950 Recognized
  - CSA C22.2 No. 950 Certified
  - IEC950/EN60950 (TUV Certified)
- CE Mark (LVD)
- Built-in EMI filter (conducted)
  - FCC Part 15 Level B
  - CISPR Pub. 22 Level B
  - VCCI Class B
- Surge immunity to 4kV (Input to Chassis)
- MTBF > 300,000 hours

**AUXILIARY FEATURES**

- LED operating indicator
- Remote ON/OFF
- Remote sense
- Forced load sharing (parallelable)

**SPECIFICATIONS**

**INPUT**

Voltage 85-264 VAC (continuous)  
(90-264 VAC between -10 to 0°C)  
Frequency 47-63 Hz  
Current

Full Load 120V 3.7 - 8.9 (RMS)  
240V 1.8 - 4.4 (RMS)

Inrush 120V - 23A (TYP)  
240V - 36A (TYP)

**OUTPUT**

Total Regulation ±5.0%  
Ripple & Noise (peak-to-peak) 100mV or 1% (whichever is larger)  
(measured at 25°C with a bandwidth of 100 MHz)  
Hold-up Time 20mS min.  
(measured at nominal input voltage, full load, 25°C)  
Start-up Time 1S (max)

**PROTECTION**

Overvoltage All models are protected against over-voltage. Control circuit is preset so output voltage does not exceed the following values:  
Output V 2 3.3 5.0 12 15 24 48  
OVP 3.8 4.5 6.9 15.5 19.5 30 60

Overload All models are protected against overload and short circuit. Recovery is automatic after removal of the fault.

**ISOLATION**

Input to Chassis 2000VAC for 1 minute  
Input to Output 3000VAC for 1 minute  
Output to Chassis 500VAC for 1 minute  
Insulation 100MΩ at 500VDC  
Leakage Current 0.2mA (max) at 120VAC, 60Hz per UL1950, EN60950  
0.75mA (max) at 254.4VAC, 60Hz per CSA22.2 No. 950

**ENVIRONMENT**

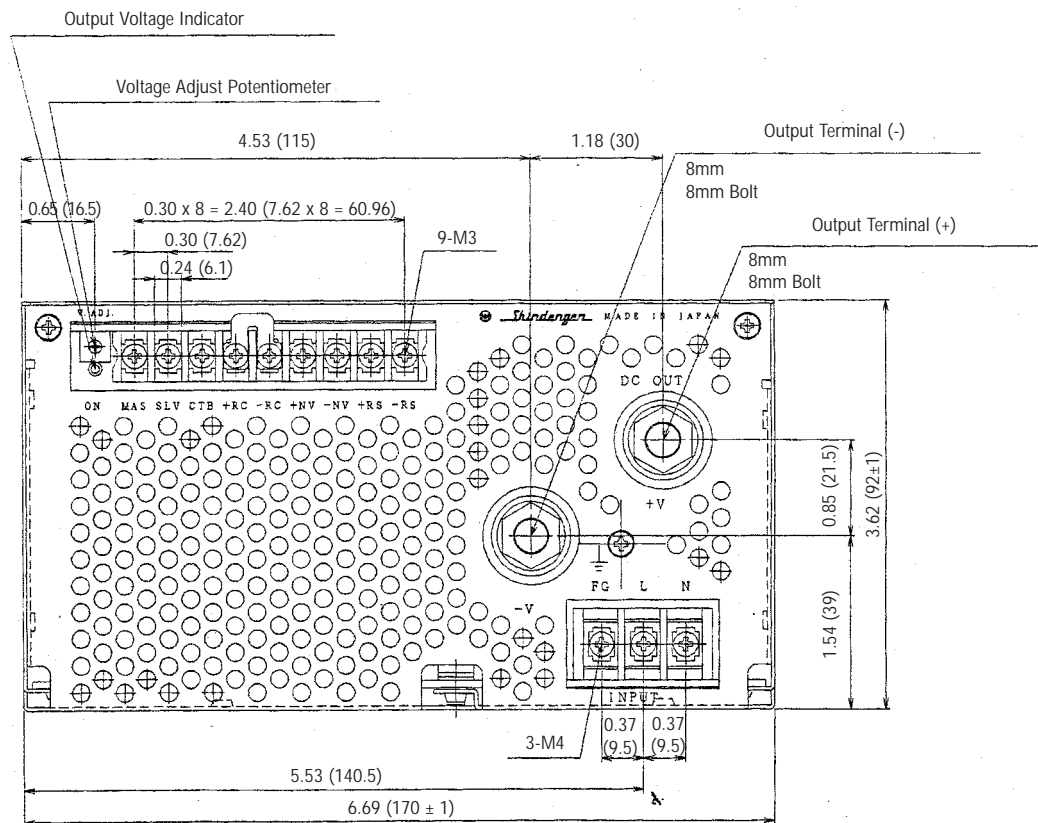
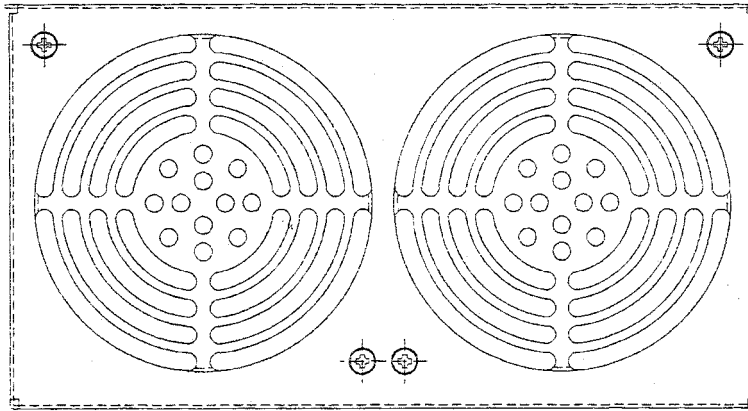
Operating Temp. -10°C to + 50°C at full load  
(derated to 50% from 50°C to 60°C)  
Operating Humidity 20% - 90% relative humidity  
(non-condensing)  
Storage Temp. -30°C to + 85°C  
Storage Humidity 10% - 95% relative humidity  
(non-condensing)  
Shock 10G  
Vibration 2G, 10 - 55 Hz, 0.75mm amplitude, for 2 hours (non-operating)

**MODEL SPECIFICATIONS**

Model #	Output Voltage (+/- 10%)	Output Current	Efficiency	Power
JY02120G	2.0V	0-120A	63%	240W
JY03120G	3.3V	0-120A	65%	360W
JY05120G	5.0V	0-120A	73%	600W
JY12050G	12.0V	0-50A	79%	600W
JY15040G	15.0V	0-40A	80%	600W
JY24025G	24.0V	0-25A	79%	600W
JY48013G	48.0V	0-13A	79%	600W

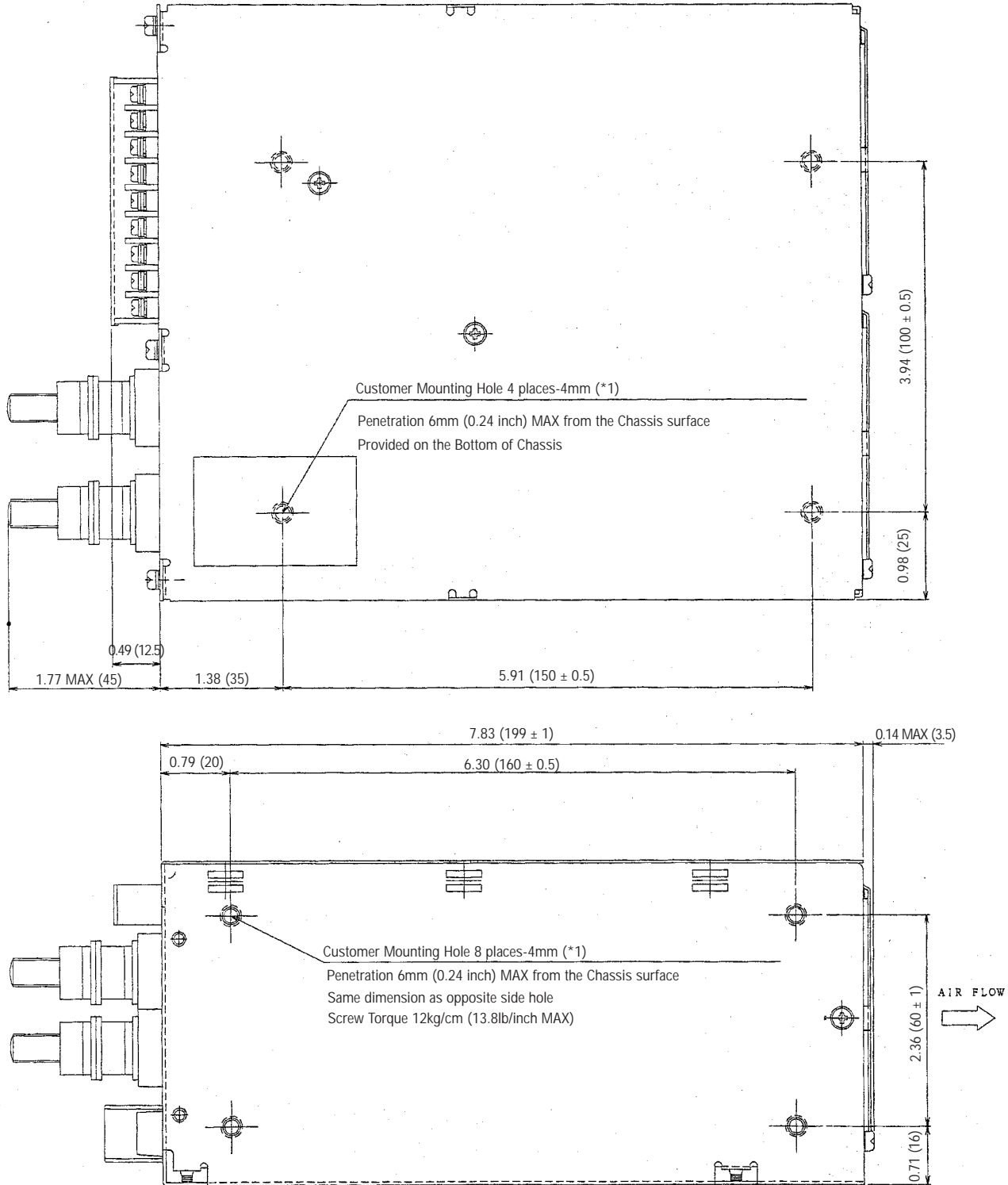
**MECHANICAL SPECIFICATIONS**

Size (W + D + H): 6.69 x 7.83 x 3.62 inches  
(170 x 199 x 92 mm)



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(\*1) Screw penetration 6mm MAX from the chassis surface.