



## Switching Power Supply for UNIX Servers and Communication Systems (Preliminary Data)

The HS-1201 switching power supply is a 48Vdc, single-rail power supply for use in developing highly reliable, upgradable distributed power systems for UNIX servers and communications systems. The dual output (48V, 12V) HS-1201 is designed for use in either modular or integrated systems.

### FEATURES

- SSI (Server System Infrastructure), DPS Version 2.1 compliant.
- Front end for highly reliable Distributed Power Systems (DPS).
- Dual output: 48V, 12V.
- Input current harmonics corrected (EN61000-3-2 compliant).
- Parallel operation with N+1 redundancy for up to 10 units (Internal ORing Diodes).
- Hot-swappable.
- Remote control.
- Fan-speed control.
- High efficiency using Shindengen's innovative Partial Resonant Circuit (PRC):
  - 90% (typ.) (220VAC Input, Full Load)
  - 85% (typ.) (110VAC Input, Full Load)
- Chassis not used as heatsink. Chassis temp. rise lower than 10°C.

### SPECIFICATIONS

#### 1. Electrical Specifications

<b>Input Range</b>	Universal Input 90VAC ~ 264VAC
<b>Input Voltage Frequency</b>	47Hz to 63Hz
<b>Output</b>	1.2kW with 200-240VAC Input (48V 24A, 12V 4A) 700W with 100-120VAC Input (48V 13.5A, 12V 4A)
<b>Hold Up Time</b>	20msec min. (At full load and nominal line input)
<b>Protection</b>	Overcurrent, Overvoltage (55V max.), Short Circuit and Thermal
<b>Forced Current Sharing for Parallel Operation</b>	Standard

#### 2. Environment, Safety Approvals and EMI

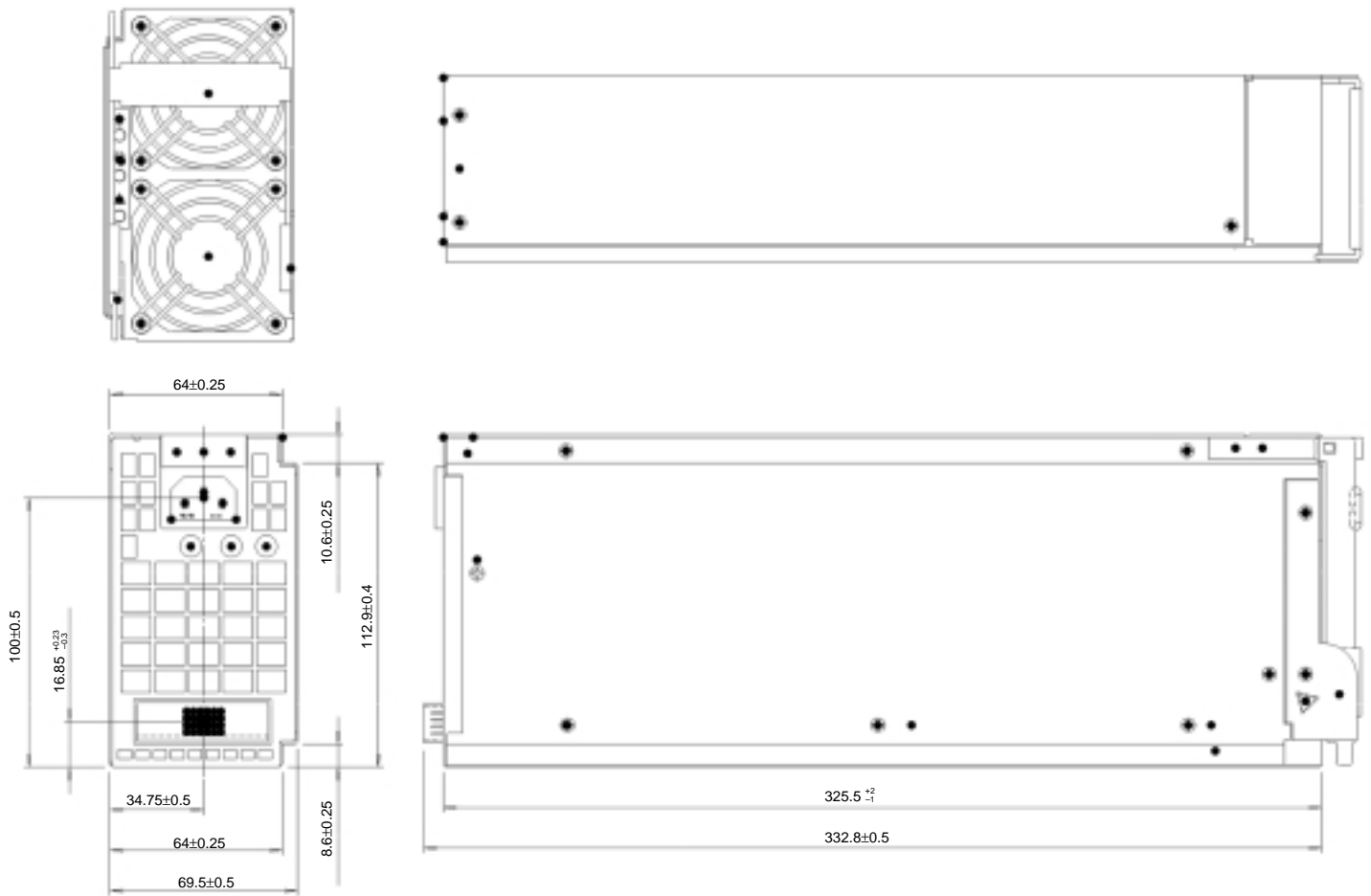
<b>Operating Temperature</b>	0°C to 50°C
<b>Safety Approvals</b>	UL60950, CSA C.22.2 No. 60950, VDE or TUV through CB Report, EN60950
<b>EMI</b>	CISPR 22, FCC, VCCI, each Class B

## Mechanical

Size: 2.73" (W) x 5.02" (H) x 12.8" (D) [69.5mm (W) x 127.5mm (H) x 325mm (D)]

Weight: 7 Lbs [3.2kg]

Internal Fan Cooling



Note: This is Preliminary Information; future specifications may differ from this description.