



- Wide Input Voltage 90 to 264 VAC, 47 to 63 Hz
- IEC-320-C6 Input Inlet
- Splash proof
- Single Output
- Class I
- LPS Efficiency Level V
- Approved as Limited Power Source (LPS)



Model Number	Rated Power	Output Voltage	Output Amps
SPU20A-102	15 W	5 Volts(DC)	3.0 Amps
SPU20A-105	20 W	12 Volts(DC)	1.66 Amps
SPU20A-106	20 W	15 Volts(DC)	1.33 Amps
SPU20A-108	20 W	24 Volts(DC)	0.83 Amps
SPU20A-109	20 W	30 Volts(DC)	0.66 Amps
SPU20A-111	20 W	48 Volts(DC)	0.42 Amps



20 Watt Desktop Switching Power Supplies

SPU20 series

INPUT SPECIFICATIONS

Input Voltage Range	90-264 VAC
Frequency Range	47-63 Hz
Input Current @ FL	Low Line 0.4Amps @ 115VAC High Line 0.25Amps @ 230VAC
Inrush Current @ FL (Cold Start)	Low Line 15Amps max @ 115VAC High Line 30Amps max @ 230VAC
Leakage Current @ FL	0.75 mAmps max. @ 240VAC 0.5 mAmps typ. @ 240VAC

OUTPUT SPECIFICATIONS

Voltage and Current	See Selection Charts
Load Regulation @ FL	$\pm 5\%$, max. @ 230VAC $\pm 3\%$, typ. @ 230VAC $\pm 1\%$, min. @ 230VAC
Line Regulation @ FL	$\pm 1\%$, max. $\pm 0.5\%$ typ.
Transient Response	4mS @ 100VAC
Ripple/Noise @ FL	1% Pk-Pk @ 90VAC 0.5% Pk-Pk @ 90VAC
Start Up @ FL	0.5S max / 0.25S typ. @ 100VAC
Hold Up Time @ FL	12mS min @ 110VAC 14mS typ. @ 110VAC 16mS max. @ 110VAC
Over Current Protection	110~150%

GENERAL SPECIFICATIONS

Isolation	4242 Volts(DC) Input-Output 2121 Volts(DC) Input-Ground
Efficiency @ FL @230VAC	75% min. / 85% typ. / 95% max
EMI	CISPR-22 Class B @ 220VAC FCC PART-15 Class B @ 110VAC
No-Load Power Consumption	< 0.5W @ 240VAC

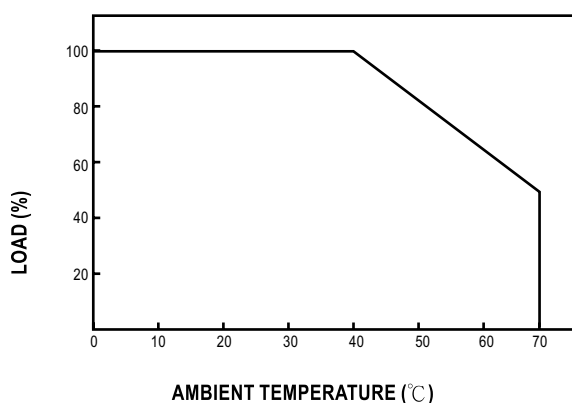
PHYSICAL SPECIFICATIONS

Size	99.0 x 42.0 x 31.0 mm 3.90" x 1.65" x 1.22"
Weight	6.00 oz (170g)

ENVIRONMENTAL SPECIFICATIONS

Oper. Temperature	0 to +70°C (See derate curve)
Storage Temperature	-40 to +85°C
Relative Humidity	5% to 95%, non-cond
MTBF	0.3 Mhrs MIL-HDBK-217F(25°C)
Temperature Coefficient	$\pm 0.04\%/^{\circ}\text{C}$
Isolation Resistance	50 M Ω / 500Volts(DC)
Efficiency Level	V

DERATE CURVE



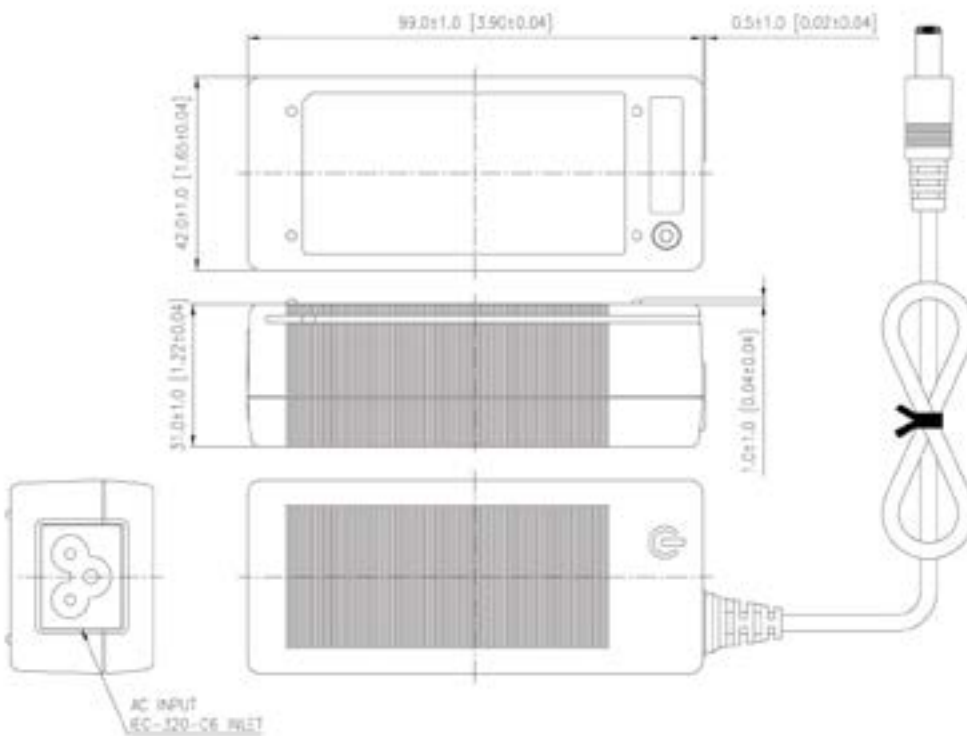
All specifications are typical at nominal input, full load, and 25°C unless otherwise noted

MECHANICAL DIMENSIONS

COAXIAL PLUG:

5.5mm outer diameter
2.1mm inner diameter, female
11mm length, center "+"

-Vout —  +Vout



Output Cord Length 48" 18AWG