



- Wide Input Voltage 90 to 264 VAC, 47 to 63 Hz
- IEC-320-C14 Input Inlet
- Splash proof
- Single Output
- Class I
- Output Voltage Available from 5Volts(DC) thru 48Volts(DC)
- Approved as Limited Power Source (LPS)
- Input Surge Current, Over Voltage and Over Load protection
- LPS Efficiency Level V



Model Number	Rated Power	Output Voltage	Output Amps	Output Connector
SPU46-102	40 W	5 Volts(DC)	8.0 Amps	5 Pin DIN
SPU46-103	45 W	6 Volts(DC)	7.5 Amps	5 Pin DIN
SPU46-104	45 W	9 Volts(DC)	5.0 Amps	Coax
SPU46-105	45 W	12 Volts(DC)	3.75 Amps	Coax
SPU46-106	45 W	15 Volts(DC)	3.0 Amps	Coax
SPU46-107	50 W	18 Volts(DC)	2.77 Amps	Coax
SPU46-108	50 W	24 Volts(DC)	2.08 Amps	Coax
SPU46-109	50 W	30 Volts(DC)	1.66 Amps	Coax
SPU46-110	50 W	36 Volts(DC)	1.38 Amps	Coax
SPU46-111	50 W	48 Volts(DC)	1.04 Amps	Coax



46 Watt Desktop Switching Power Supplies

SPU46 series

INPUT SPECIFICATIONS

Input Voltage Range	90-264 VAC
Frequency Range	47-63 Hz
Input Current @ FL	Low Line 1.35Amps @ 115VAC High Line 0.8Amps @ 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	$\pm 15\%$, max. @ 230VAC $\pm 3\%$, typ. @ 230VAC
Line Regulation @ FL	$\pm 1\%$, max. $\pm 0.5\%$ typ.
Transient Response	4mS @ 100VAC
Ripple/Noise @ FL	1% Pk-Pk @ 90VAC max 0.5% Pk-Pk @ 90VAC typ
Start Up @ FL	2S max / 0.3S min @ 100VAC
Hold Up Time @ FL	16mS max @ 110VAC
Over Current Protection	110~150%
Over Voltage Protection	112~132%

GENERAL SPECIFICATIONS

Isolation	4242 Volts(DC) Inpout-Output 2121 Volts(DC) Inpout-Ground
Efficiency @ FL @230VAC	75% min. / 83% typ. / 88% max
EMI	CISPR-22 Class B @ 220VAC FCC PART-15 Class B @ 110VAC
No-Load Power Consumption	< 0.5W @ 240VAC

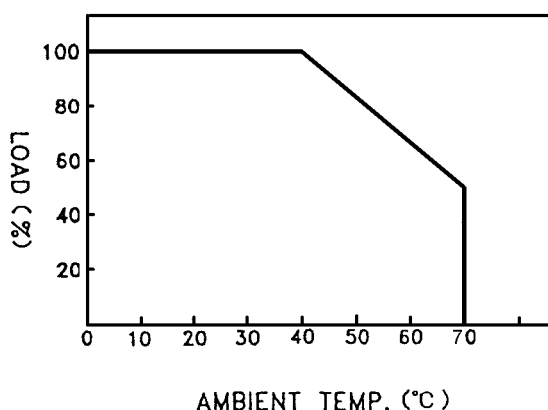
PHYSICAL SPECIFICATIONS

Size	146.0 x 76.0 x 43.0 mm 5.75" x 2.99" x 1.69"
Weight	18.87~19.75 oz (535~560g)

ENVIRONMENTAL SPECIFICATIONS

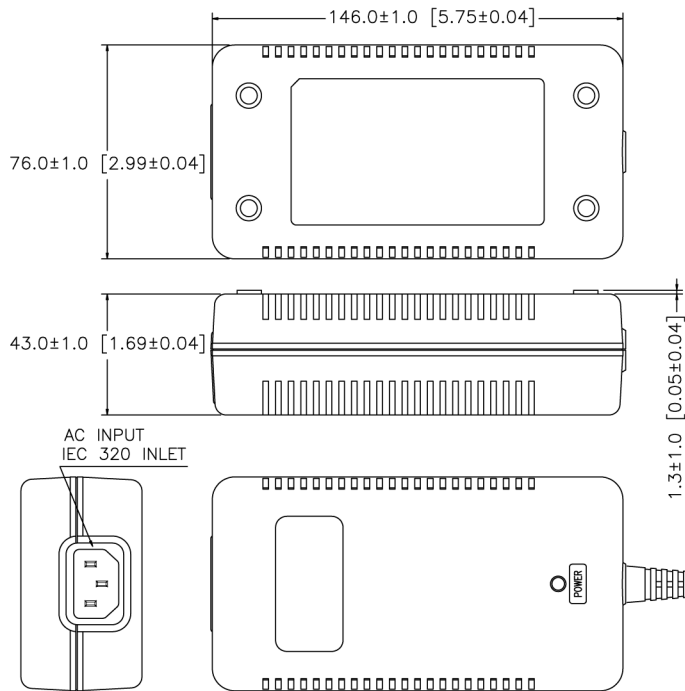
Oper. Temperature	0 to +70°C (See derate curve)
Storage Temperature	-40 to +85°C
Relative Humidity	5% to 95%, non-cond
MTBF	0.1 Mhrs MIL-HDBK-217F(25°C)
Temperature Coefficient	$\pm 0.04\%/^{\circ}\text{C}$
Isolation Resistance	50 M Ω / 500Volts(DC)
Efficiency Level	V

DERATE CURVE



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

MECHANICAL DIMENSIONS

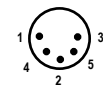


Coaxial Plug:

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

-Vout —●— +Vout

5 Pin DIN



1. COM
2. COM
3. Vout
4. COM
5. Vout
Shell = GND

SPU46-102 Output Cord Length 48" 16AWG

SPU46-105 Output Cord Length 48" 18AWG

SPU46-111 Output Cord Length 48" 18AWG