



- Wide Input Voltage 90 to 264 VAC, 47 to 63 Hz
- IEC-320-C14 Input Inlet
- Single Output
- Class I
- Input Surge Current, Over Voltage and Over Current Protection
- Energy Star 2.0, Efficiency Level V
- Active Power Factor Correction
- Optional ON/OFF Switch



Model Number	Output Voltage	Output Amps	Output Connector
SPU131-105(S)	12 Volts(DC)	10.84 Amps	5 Pin DIN
SPU131-106(S)	15 Volts(DC)	8.66 Amps	5 Pin DIN
SPU131-107(S)	18 Volts(DC)	7.22 Amps	5 Pin DIN
SPU131-108(S)	24 Volts(DC)	5.42 Amps	5 Pin DIN
SPU131-109(S)	30 Volts(DC)	4.33 Amps	2.1mm Coax.
SPU131-110(S)	36 Volts(DC)	3.61 Amps	2.1mm Coax.
SPU131-111(S)	48 Volts(DC)	2.70 Amps	2.1mm Coax.
SPU131-112(S)	55 Volts(DC)	2.36 Amps	2.1mm Coax.

Note: "(S)" Denotes that there is an ON/OFF Switch option available for the SPU131 family of products. To order an SPU131 product with the optional ON/OFF Switch, simply add an "S" to the end of the standard Part Number. For example SPU131-105S.



130 Watt Desktop Switching Power Supplies

**SPU131 series**

**INPUT SPECIFICATIONS**

Input Voltage Range	90-260 VAC
Frequency Range	47-63 Hz
Input Current @ FL	Low Line 1.32Amps @ 115VAC High Line 0.66Amps @ 230VAC
Inrush Current @ FL (Cold Start)	Low Line 30Amps max @ 115VAC High Line 50Amps max @ 230VAC
Leakage Current @ FL	0.75 mAmps max. @ 240VAC/60 Hz
Power Factor @ FL	0.95 min. @ 230VAC

**OUTPUT SPECIFICATIONS**

Voltage and Current	See Selection Charts
Load Regulation @ FL	± 5%, max. @ 230VAC
Line Regulation @ FL	± 5%, typ. ± 0.5% typ.
Transient Response	4mS @ 100VAC
Ripple/Noise @ FL	1% max. pk-pk @ 90VAC
Start Up @ FL	2S max. @ 100VAC
Hold Up Time @ FL	16mS min @ 110VAC
Over Current Protection	110~150%
Over Voltage Protection	112~132%

**GENERAL SPECIFICATIONS**

Isolation	4242 Volts(DC) Input-Output 2121 Volts(DC) Input-Ground
Efficiency @ FL @230VAC	88% typ.
EMI	CISPR-22 Class B @ 220VAC FCC PART-15 Class B @ 110VAC

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

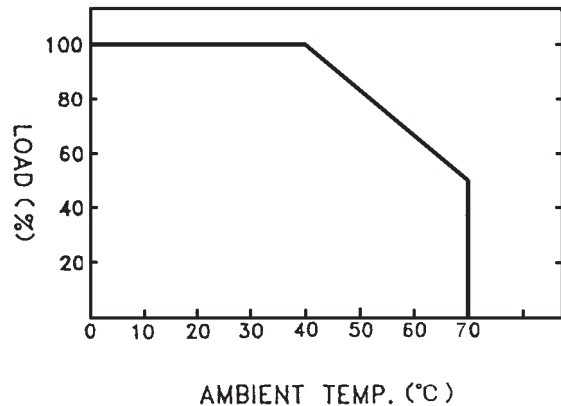
**PHYSICAL SPECIFICATIONS**

Size	188.9 x 89.5 x 45.5 mm 7.44" x 3.52" x 1.79"
Weight	27.44-28.22 oz (778-800g)

**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	±0.04%/°C
Isolation Resistance	50 MΩ / 230VAC

**DERATE CURVE**



*Astrodyne products are not authorized or warranted for use as critical components in life support systems, equipment used in hazardous environments, nuclear controls systems, or other mission-critical applications.*

### MECHANICAL DIMENSIONS

