



60W Desktop Switching Power Supplies

SPU60 series



4.6" x 1.36" x 2.0"

- Universal 85-265VAC Input
- IEC-320-C14 Input Receptacle
- Single Outputs from 3.3 to 48VDC
- 3000V Isolation
- Splash Proof Case



Model Number	Output Watts	Output Volts	Output Amps	Total Regulation
SPU60-101	20	3.3V	6A	7%
SPU60-102	30	5V	6A	5%
SPU60-103	35	6V	5.8A	5%
SPU60-104	40	10V	4A	5%
SPU60-105	50	12V	4.16A	5%
SPU60-106	55	15V	3.66A	5%
SPU60-107	60	18V	3.33A	5%
SPU60-108	60	24V	2.5A	5%
SPU60-109	60	30V	2A	5%
SPU60-110	60	36V	1.66A	3%
SPU60-111	60	48V	1.25A	3%



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INPUT SPECIFICATIONS

Input Voltage Range	90-264 VAC	
Frequency Range	47-63 Hz	
Input Current	Low Line (115VAC)	1.6A
	High Line (230VAC)	1.0A
Inrush Current, typ (Cold Start)	Low Line (115VAC)	15A max.
	High Line (230VAC)	30A max.
Leakage Current	0.75mA MAX.	
	@ 240 VAC, FL	

OUTPUT SPECIFICATIONS

Voltage and Current	See Selection Charts	
Output Power Range	0 to FL Rating	
Load Regulation (230Vin)	+/- 7%, max.	
Line Regulation	+/- 1%, max.	
Transient Response	100Vin, FL to 1/2L	4mS
Temperature Coefficient	+/-0.04%/°C, typ	
Ripple/Noise	FL, 90Vin	2% Pk-Pk, max.
Over Voltage Protection	112-132% *	
Over Current Protection	110-150% *	
Start Up / Hold Up Time	100Vin, FL	2S max. / 16mS min.

GENERAL SPECIFICATIONS

Input-Out Isolation	3000 VAC
Input-Ground Isolation	1500VAC
Isolation Resistance	50 Mohm min.
Efficiency (FL, 230Vin)	75%, typ
Safety	(c)UL60950-1, EN60950-1

NOTE: Low cost 3 Wire IEC320/C13 (Part Number ACCRD-C13) Input Power Cords are available for these products. Inquire to the Astrodyne Sales Depart.

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

* These are stress ratings. Exposure of the devices to any of these conditions may adversely affect long term reliability. Proper operation under conditions other than the standard operating conditions is neither warranted nor implied.

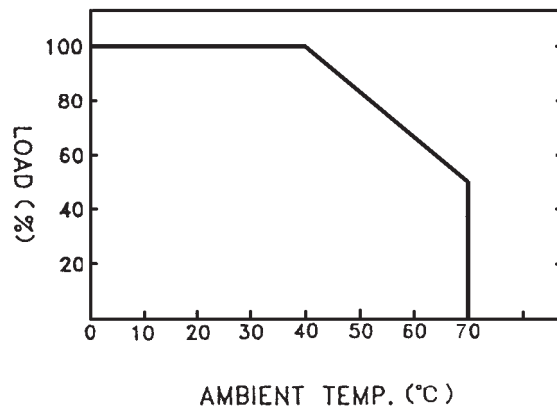
PHYSICAL SPECIFICATIONS

Size	4.64" x 1.36" x 2.0"
Construction	Desktop Style
Weight	12oz (340g)

ENVIRONMENTAL SPECIFICATIONS

Oper. Temperature	0 to +40°C (FL) *
	50% Load @ 70°C
	(See Derate Curve)
Storage Temperature	-40 to +85°C *
Relative Humidity	5% to 95%, non-cond *
EMC	110Vin: FCC Part 15 Class B
	220Vin: CISPR-22 Class B
MTBF	100,000 Hrs

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

