



63W Desktop Switching Power Supplies

SPU63 series



4.65" x 1.34" x 2.05"

- 90-264VAC Input
- IEC-320-C14 Input Receptacle
- CEC and Energy Star Compliance
- 3000V Isolation
- Splash Proof Case
- LPS Efficiency Level V



Model Number	Output Watts	Output Volts	Output Amps	Total Regulation
SPU63-105	57	12V	4.75A	5%
SPU63-106	63	15V	4.2A	5%
SPU63-107	63	18V	3.5A	5%
SPU63-108	63	24V	2.62A	5%
SPU63-109	63	30V	2.1A	5%
SPU63-110	63	36V	1.75A	3%
SPU63-111	63	48V	1.31A	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)	0.7A
Leakage Current	.075mA, max.	
Inrush Current, typ (Cold Start)	Low Line (115VAC)	15A max.
	High Line (230VAC)	30A max.
Power Consumption @ NL	240Vin	0.5W max.

OUTPUT SPECIFICATIONS

Voltage and Current	See Selection Charts	
Output Power Range	0 to FL Rating	
Load Regulation (230Vin)	+/- 5%, max.	
Line Regulation	+/- 1%, max.	
Transient Response	100Vin, FL to 1/2L	4mS
Temperature Coefficient	+/-0.04%/°C, typ	
Ripple/Noise	FL, 240Vin	1% Pk-Pk, max.
Over Voltage Protection	112-132% *	
Over Current Protection	102-150% *	
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)	88%, 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.

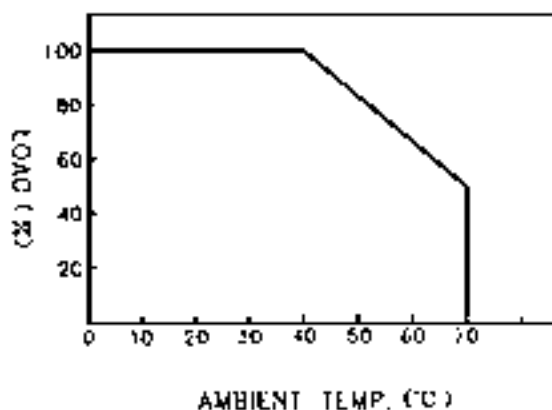
PHYSICAL SPECIFICATIONS

Size	4.65" x 1.34" x 2.05"
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	130,000 Hrs MIL-HDBK-217F
Efficiency Level	V

DERATE CURVE



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.

MECHANICAL DIMENSIONS

