



4.65" x 1.85" x 1.19"

- Universal 90-264VAC Input
- IEC-320-C14 Input Inlet
- Single Outputs
- 3000V Isolation
- Class I
- LPS Efficiency Level V



Model Number	Output Watts	Output Volts	Output Amps	Total Regulation
*VPU60A-105	60	12V	5A	5%
*VPU60A-106	60	15V	4A	5%
*VPU60A-107	60	18V	3.33A	5%
*VPU60A-108	60	24V	2.5A	3%
*VPU60A-109	60	30V	2.0A	3%
*VPU60A-110	60	36V	1.66A	3%
*VPU60A-111	60	48V	1.25A	3%

* 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.



60W Desktop Switching Power Supplies

VPU60 series

INPUT SPECIFICATIONS

Input Voltage Range	90-264 VAC (100-240 Nominal)	
Frequency Range	47-63 Hz	
Input Current	Low Line (115VAC)	1.6A
	High Line (230VAC)	0.7A

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, 90Vin	1% Pk-Pk, max.
Over Current Protection	110-150% *	
Start Up / Hold Up Time	100Vin, FL	2S max. / 10mS min.

GENERAL SPECIFICATIONS

Input-Out Isolation	3000 VAC
Input-Ground Isolation	1500VAC
Isolation Resistance	50 Mohm min.
Efficiency (FL, 230Vin)	87%, typ
Safety - PENDING	(c)UL60950-1; EN60950-1

PHYSICAL SPECIFICATIONS

Size	4.65" x 1.85" x 1.19"
Construction	Desktop Style
Weight	12oz (340g)

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

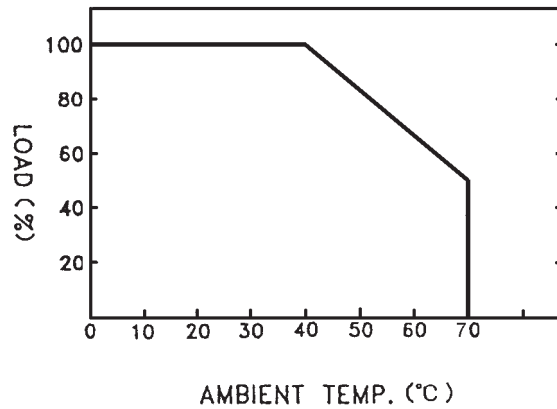
* These are stress ratings. Exposure of the devices to any of these conditions may adversely affect long term reliability. Proper operation under conditions other than the standard operating conditions is neither warranted nor implied.

WWW.ASTRODYNE.COM

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	
Efficiency Level	V	

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.

ASTRODYNE USA: 1-800-823-8082
 ASTRODYNE PACIFIC: 886-2-26983458

MECHANICAL DIMENSIONS - VPU60A IEC-320-C14 INLET

