

15 Watt Interchangeable Wallmount Switching Power Adapters

VPU15 series



- Universal 90-264VAC Input
- Interchangeable Plug Options for US, UK, AU, EU Worldwide Applications (**Sold Separately**)
- Single Outputs from 5 to 48VDC
- 3000V Isolation
- Class II
- LPS Efficiency Level VI



Model Number	Output Watts	Output Voltage	Output Amps	Total Regulation
VPU15-102	12	5V	2.4A	5%
VPU15-103	12	6V	2.0A	5%
VPU15-104	13.5	10V	1.35A	5%
VPU15-105	15	12V	1.25A	5%
VPU15-106	15	15V	1.0A	5%
VPU15-107	15	18V	0.83A	5%
VPU15-108	15	24V	0.62A	5%
VPU15-109	15	30V	0.5A	5%
VPU15-110	15	36V	0.41A	3%
VPU15-111	15	48V	0.31A	3%

Note: The Interchangeable Input Plugs are **sold separately**. See the Mechanical Dimensions on Page 3 for the styles offered and Model Numbers. Contact Astrodyne Sales for pricing.

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INPUT SPECIFICATIONS

Input Voltage Range	90-264 VAC	
Frequency Range	47-63 Hz	
Input Current	Low Line (115VAC)	0.4A
	High Line (230VAC)	0.26A
Inrush Current, typ (Cold Start)	Low Line (115VAC)	40A max.
	High Line (230VAC)	80A max.
Leakage Current	0.25mA max. @ 240 VAC, FL	
No Load Power Consumption	<0.1W Max	

OUTPUT SPECIFICATIONS

Voltage and Current	See Selection Charts	
Output Power Range	0 to FL Rating	
Load Regulation (230Vin)	± 3%, typ.	
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.	
Short Circuit Protection	Continuous *	
Start Up / Hold Up Time	100Vin, FL	3S max. / 5 mS min.

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.

GENERAL SPECIFICATIONS

Isolation	I/P - O/P: 3000 VAC
	I/P - GND: 1500 VAC
Isolation Resistance	50 MΩ min.
Efficiency (FL, 230Vin)	79%, typ.
Safety	(c)UL60950-1, EN60950-1

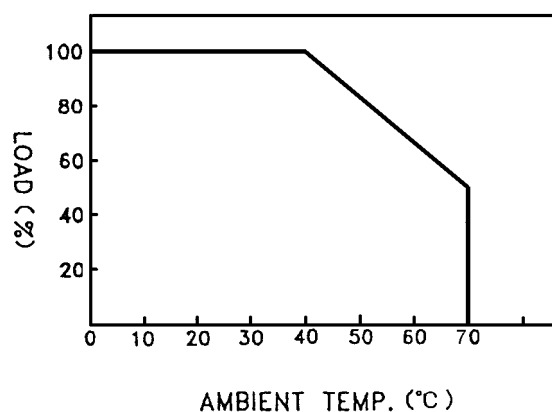
PHYSICAL SPECIFICATIONS

Size	2.36" x 1.81" x 1.58"
Construction	Wallmount Style
Weight	5.8oz (165g)

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 *
EMI	110Vin: FCC Part 15 Class B
	220Vin: CISPR-22 Class B
MTBF	100,000 Hrs
Efficiency Level	V

DERATE CURVE

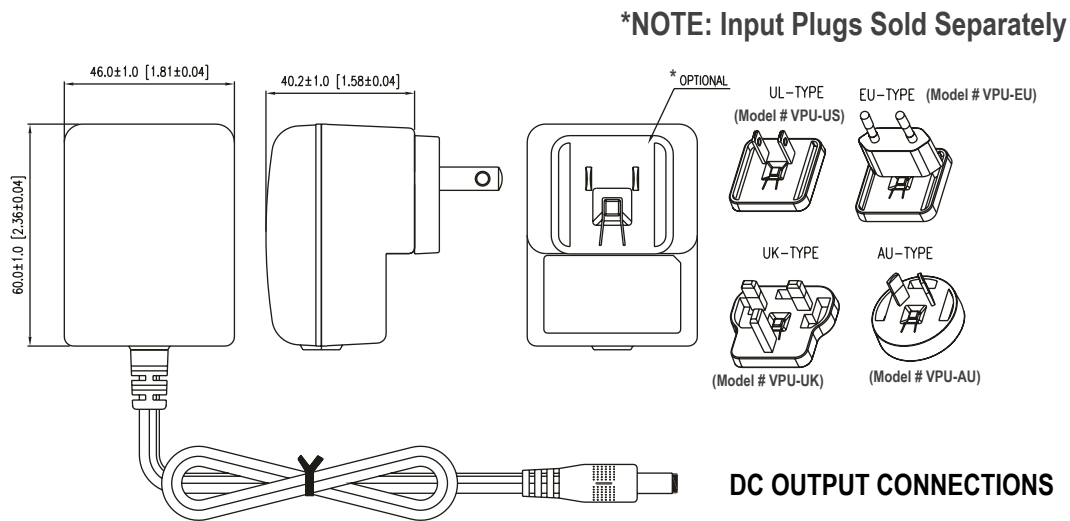




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MECHANICAL DIMENSIONS



VPU15-102~104 Output Cord Length 48" 18AWG

VPU15-105~111 Output Cord Length 48" 20AWG

DC OUTPUT CONNECTIONS

Coaxial Plug

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

-Vout —  +Vout