

25W Interchangeable Power Supply for General Purpose

VPU26 series



- Wide Operating Voltage 90 to 264 VAC, 47 to 63 Hz
- Interchangeable Plugs
- Optional Output Connector (See page appendix)
- Single Output
- Class II
- DOE Level VI



Model Number	Output Watts	Output Voltage	Output Amps	Total Regulation
*VPU26-102	16.5	5V	3.3A	+/-5%
*VPU26-103	20	8V	2.5A	+/-5%
*VPU26-104	22	9V	2.2A	+/-5%
*VPU26-105	25	12V	2.08A	+/-5%
*VPU26-106	25	15V	1.67A	+/-5%
*VPU26-107	25	18V	1.38A	+/-5%
*VPU26-108	25	24V	1.04A	+/-4%
*VPU26-109	25	30V	0.83A	+/-4%
*VPU26-110	25	36V	0.69A	+/-4%
*VPU26-111	25	48V	0.52A	+/-4%

* Note:

One UL Type AC Plug is included. Additional country plugs sold separately. See the mechanical dimensions on page 3 for the styles offered and model numbers. Contact Astrodyne for pricing.

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INPUT SPECIFICATIONS

Input Voltage Range	80-275 VAC (100-240V Nominal) See Input Derate curve, Fig. 1	
Frequency Range (Sine Wave)	47-63 Hz	
Input Current	Low Line (100VAC)	0.7A max.
	High Line (240VAC)	0.4A max.
Inrush Current, typ (Cold Start)	Low Line (100VAC)	50A max.
	High Line (240VAC)	100A max.
Protection Class	Double Insulated, Class II	
Input NL Power Consumption	See Selection Chart	

OUTPUT SPECIFICATIONS

Voltage and Current	See Selection Chart	
Output Power Range	0 to FL Rating	
Total Regulation (Note 2)	See Selection Chart	
Line Regulation, FL (Note 1)	± 1%, max.	
Over Load Protection*	110-150%, auto recover	
Short Circuit Protection	Auto Recover	
Transient Response	110Vin, FL	4mS
Temperature Coefficient	±0.04%/°C, typ	
Ripple/Noise (Note 3)	See Selection Chart	
Start Up / Hold Up Time	100Vin, FL	3S max. / 12mS min.

GENERAL SPECIFICATIONS

Input-Out Isolation	4000 VAC
Efficiency(FL, Nom. Input))	See Selection Chart
Safety	UL 60950-1:2nd Edition, IEC 60950-1:2005/A2:2013 EN60950-1:2006/A2:2013, CSA C22.2 No.60950-1-07

PHYSICAL SPECIFICATIONS

Size	2.95" x 1.71" x 1.58" (75 x 43.4 x 40.1mm)
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Construction	Wallmount Style
Weight	7.05oz (200g)

ENVIRONMENTAL SPECIFICATIONS

Oper. Temperature	-10 to +40°C (FL) * 50% Load @ 70°C See Output Derate Curve, Fig. 2
Storage Temperature	-40 to +85°C, 10~95% RH *
Operating/Storage Humidity	0% to 95% RH *
Cooling	Free Air Convection
EMC	EN55011 (CISPR11), EN61000-3-2,-3 Class B
Surge Voltage	2kV, All Conditions
ESD Air	8kV, IEC61000-4-2
ESD Contact	6kV, IEC61000-4-2
MTBF MIL-HDBK-217F, 25°C	100K h
Operating Altitude	3000m
Vibration	5G, 10~500Hz, 10 min./1 cycle, 60 min. each along X, Y, Z axes
Flammability Rating	UL94V-1

NOTES

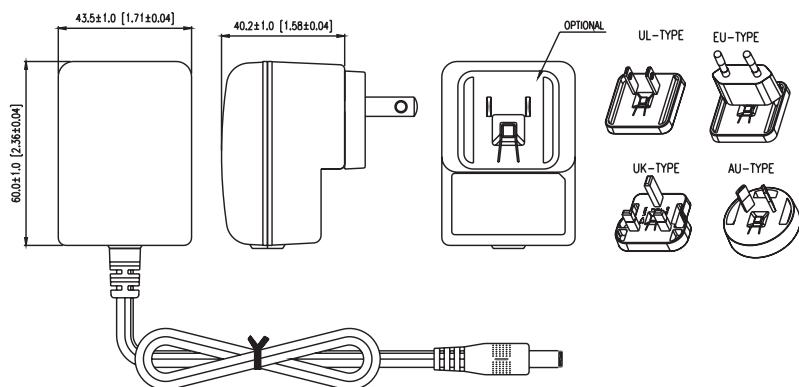
1. Line Regulation defined as changing the input voltage ±10% from nominal line at rated load.
2. Total Regulation is defined by as changing the load ±40% from 60% rated load.
3. Ripple & Noise is measured by using a 20MHz bandwidth limited oscilloscope and terminating the output with a 0.47uF capacitor at rated load and nominal line.

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

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MECHANICAL DIMENSIONS



Dimensions are in mm (inches)

VPU26-101 ~103 Output Cord Length 48", 16AWG

VPU26-104 ~111 Output Cord Length 48", 18AWG

DC OUTPUT CONNECTIONS

Coaxial Plug:

- 1) 5.5mm outer diameter
2.1mm inner diameter, female
11mm length, center "+"



DERATE CURVES

