GPV-20 series

24W Single Output Switching Power Supply



IP67 CE

■ **Features:**

- Constant voltage design
- Universal AC input / Full range
- Protections: Short circuit / Overcurrent / Over voltage / Over temperature
- Cooling by free air convection
- 100% full load burn-in test
- Isolation class II
- UL1310 Class 2 power unit
- Fully encapsulated with IP67 level

ELECTRICAL SPECIFICATION

MODEL	GPV-20-12	GPV-20-24
OUTPUT		
	12V	24V
	2A	1A
	0 ÷ 2A	0 ÷ 1A
	24W	
	± 1%	
	± 2%	
	± 5%	
	$200mV_{p-p}$	$300mV_{p-p}$
	500ms, 250ms at full load	
	24ms / 115VAC, 50ms / 230VAC at full load	
INPUT		
	90 ÷ 264VAC	
	47 ÷ 63Hz	
	83%	84%
	0.6A/115VAC, 0.3A / 230VAC	
	70A / 230VAC, 35A / 115VAC	
	0.25mA / 240VAC	
PROTECTIONS		
	Range: 150 ÷ 200%	
	Type: hiccup mode, auto-recovery.	
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	13.5 ÷ 16.5V	27 ÷ 33V
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	Range: 140°C ± 10°C detect on main control IC	
	Type: shut off, recovers automatically after temperature goes down	

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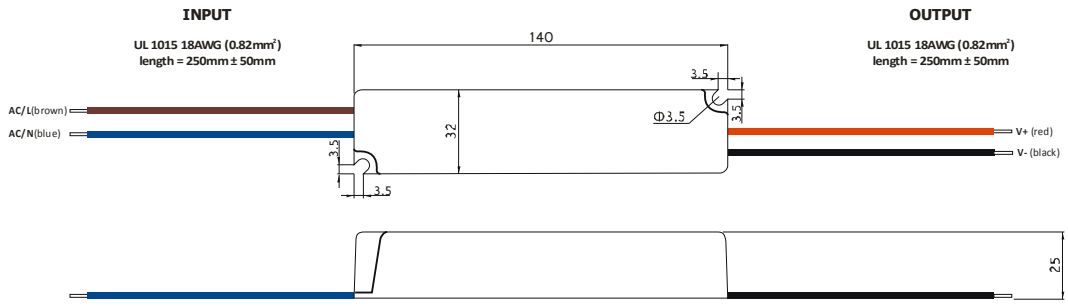
GLP GLOBAL LEADER POWER

ENVIRONMENT	
	-30°C ÷ 70°C (Refer to Derating Curve)
	20 ÷ 90% RH non-condensing
	-40°C ÷ 80°C, 10 ÷ 95% RH non-condensing
	± 0.03% / °C (0°C ÷ 50°C)
	10 ÷ 500Hz, 2G, 10min / cycle, period for 60min. each along X, Y, Z axes
SAFETY & EMC REGULATIONS	
	Compliance to EN61347-1, EN61347-2-13, IP67
	I-P/O-P: 3kVAC
	I-P/O-P; O-P/FG; I-P/FG: 100MΩ/500VDC/25°C/70%
	Compliance to EN55015
	Compliande to EN61547; EN55024; EN61000-4-2, -3, -4, -5, -6, -8, -11
	Compliance to EN61000-3-3; EN61000-3-2
OTHERS	
	140 x 32 x 25mm
	0.2kg; 100pcs./box; box weight and dimensions: 20kg; 34.5 x 29 x 19.5cm

1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1μF i 47μF parallel capacitor.
3. Tolerance incudes set up tolerance, line regulation and load regulation.
4. Setup and rise time is measured from 0 to 90% rated output voltage.
5. Power supply is considered as a component that will be operated in combination with final equipment. Since EMC performance will be affected by the complete installation, the final equipment must be re-qualify to comply with EMC Directives.

MECHANICAL SPECIFICATION



DERATING CURVE

