

YSV500-500 SERIES

6W



Features

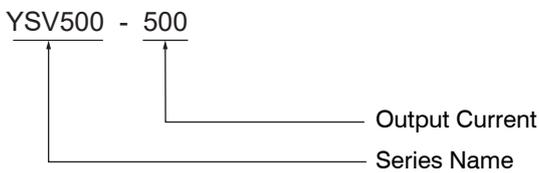
- Energy efficiency level VI
- Class II Power Supply
- 3 Years Warranty
- Universal AC input/Full range
- No load power consumption < 0.1W
- Protections: Short Circuit /Over Load
- -20~ +60°C wide range working temperature

Applications

- Digital Equipment
- Industrial Equipments
- Consumer Electronic Devices
- Telecommunication Devices

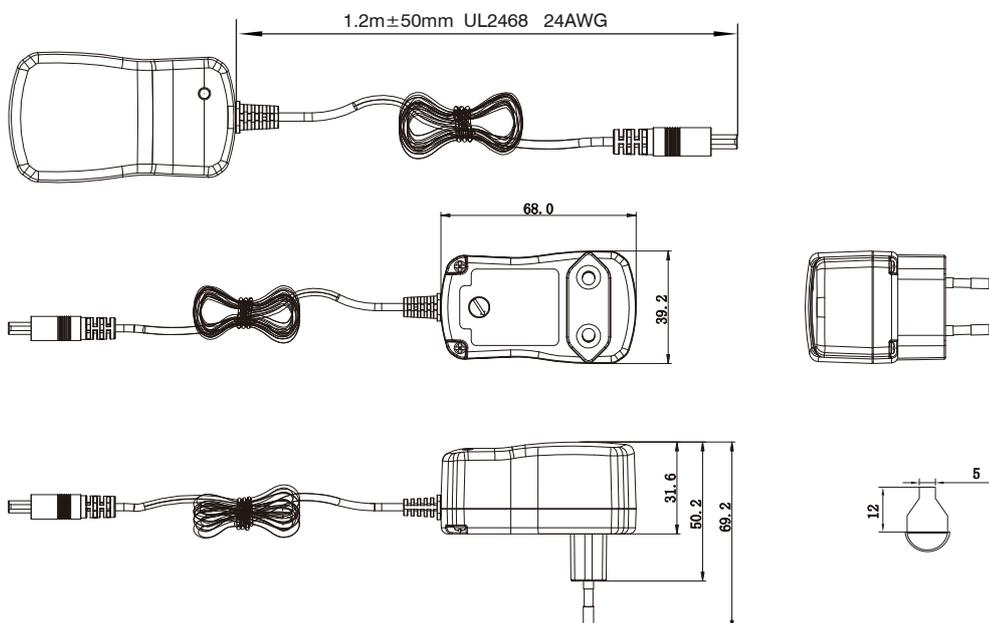


Model Description



Dimensions and installation

(Unit: mm , tolerance: ±1mm)



File last modification time: 2025-12-26

Specification

Model	Order P/N	YSV500-500						
Output	DC Voltage	3V	4.5V	5V	6V	7.5V	9V	12V
	Rated Current	0.5A	0.5A	0.5A	0.5A	0.5A	0.5A	0.5A
	Rated Power	1.5W	2.25W	2.5W	3W	3.75W	4.5W	6W
	Ripple & Noise(max.)	75mVp-p	75mVp-p	75mVp-p	90mVp-p	90mVp-p	90mVp-p	120mVp-p
	Voltage Tolerance	±1%	±1%	±1%	±1%	±1%	±1%	±1%
	Line Regulation	±1%	±1%	±1%	±1%	±1%	±1%	±1%
	Load Regulation	±1%	±1%	±1%	±1%	±1%	±1%	±1%
	Setup,Rise,Hold up Time	3.0s,30ms,80ms/230VAC(at full load)						
Input	Rated Voltage Range	100-240VAC						
	Voltage Range	90-264VAC						
	Frequency Range	50/60Hz						
	AC Current	0.3A/230VAC						
	Inrush Current	Cold Start 65A/200us at 230VAC 50Hz						
	Leakage Current	<0.25mA/230VAC						
	Efficiency	70%	74.5%	76%	77.5%	79.5%	80%	81.5%
	No Load Power Consumption	<0.1W						
Protection	Over Load	105~150% Hiccup mode, recovers automatically after fault condition is removed.						
	Short Circuit	Shut down o/p voltage, re-power on to recover.						
	Working TEMP.	-20 ~ +60 C (Please refer to "Derating Curve"section)						
Ambient	Working Humidity	20 ~ 95%RH Non-condensing						
	Storage TEMP. Humidity	-40 ~ +85 C, 10 ~ 95%RH Non-condensing						
	TEMP. Coefficient	±0.03%/(0 ~ 40 C)						
	Vibration	10 ~ 500Hz, 5G 12min./1cycle, period for 72min. each along X, Y, Z axes						
	Safety	Safety Standards	EN62368-1					
Withstand Voltage		I/P-O/P:3KVAC						
Isolation Resistance		I/P-O/P:100M Ohms / 500VDC / 25 C / 70% RH						
EMC	EMC Emission	Parameter	Standard				Test Level	
		Conducted	EN55032(CISPR32)				CLASS B	
		Radiated	EN55032(CISPR32)				CLASS B	
		Harmonic Current	EN61000-3-2				CLASS B	
		Voltage flicker	EN61000-3-3				CLASS B	
	EMC Immunity	Parameter	Standard				Test Level	
		ESD	EN61000-4-2				Level 3, 8KV air, criteria A	
		Radiated Susceptibility	EN61000-4-3				Level 3, criteria A	
		EFT/Burest	EN61000-4-4				Level 3, criteria A	
		Surge	EN61000-4-5				Level 4, 2KV/L-N, criteria A	
		Conducted	EN61000-4-6				Level 3, criteria A	
		Magnetic Field	EN61000-4-8				Level 4, criteria A	
		Voltage Dips and interruptions	EN61000-4-11				> 95% dip 0.5 periods, 30% dip 25 periods, >95% interruptions 250 periods	
Others	Packing	100g/pcs; 45 x 28.5 x 32 cm; 100pcs/carton						
	Dimension (LxWxH)	68 x 39.2 x 31.6 mm						
	Plug and Cable	See page 3; Other type available by customer requested						
	MTBF	100Khrs min. MIL-HDBK-217F(25 C)						
Note	<ol style="list-style-type: none"> 1. Tolerance: includes set up tolerance, line regulation and load regulation. 2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. 3. Line regulation is measured from low line to high line at rated load. 4. Load regulation is measured from 0% to 100% rated load. 5. All parameters NOT specially mentioned are measured at nominal voltage input, rated load and 25 C of ambient temperature. 6. De-rating may be needed under low input voltages. Please refer to "Static Characteristic" sections for details. 7. The 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 manufacturers must re-qualify EMC Directive on the complete installation again. 							

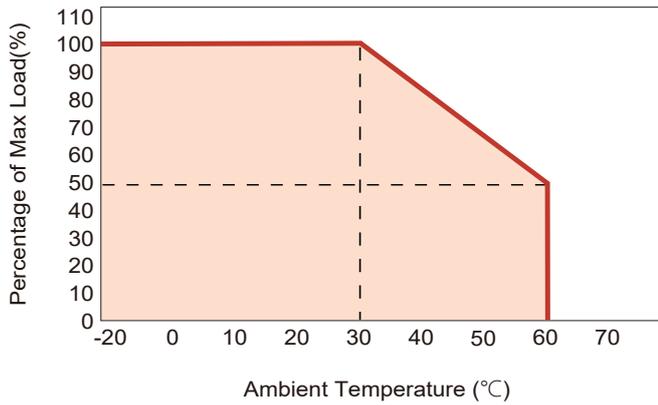
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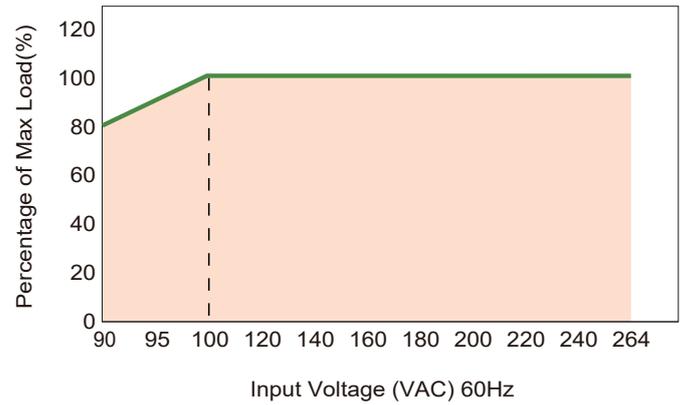
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Feature Curves

1. Derating Curve



2. Static Characteristics



DC Output Plug

