

Features

Universal Input 90~264VDAC
 Interchangeable Plugtop Adapters
 Approved to UKCA & RoHS
 EN/EN62368-1 Safety Approved
 EMC Class B Certified
 Single Output 24V DC
 OVP, OLP, SCP



56YSV12-xy-RS Series

12W Interchangeable AC/DC Plugtop Adapter Power Supply



The 56YSV12-xy-RS Series is a regulated and reliable 12W Interchangeable AC/DC Plugtop Adapter Power Supply. Designed for use in applications such as system-critical media and control infrastructure. This series is supplied with a Interchangeable input connection and supports input voltages of 90~264V AC 50~60Hz.

Model Number Information

YSV12 xy □

Series Name Output Voltage AC Plug type

Models

Model Number	DC Voltage (V)	Rated Current (A)	Rated Power (W)	Efficiency (%)	Ripple & Noise(max) (mVp-p)
56YSV12-2400250-RS	24	0.25	6	82.5	100

Input Specifications		
Rated Voltage Range	100-240VAC	
Voltage Range	90-264VAC	
Frequency Range	50/60Hz	
AC Current	0.6A/100VAC	0.4A/240VAC
Efficiency	Cold Start 70A/200us at 240VAC 50Hz	Cold Start 35A/200us at 100VAC 50Hz
Inrush Current	<0.5mA/240VAC	
Leakage Current	82.5%	
Efficiency	<0.1W	

Output Specifications	
DC Voltage	24V
Rated Current	0.25A
Rated Power	6W
Ripple & Noise(max.)	100mVp-p
Voltage Tolerance	+5%
Line Regulation	+3%
Load Regulation	+5%
Setup,Rise,Hold up Time	1.0s,40ms,60ms/230VAC(at full load) 2.0s,40ms,12ms/115VAC(at full load)

Protection	
Over Load	105~150% Hiccup mode, recovers automatically after fault condition is removed.
Short Circuit	Hiccup mode, recovers automatically after fault condition is removed.

Environmental Characteristics	
Working Temp	-20 ~ +60°C(Please refer to "Derating Curve"section)
Working Humidity	25 ~ 75%RH Non-condensing
Storage Temp., Humidity	-40 ~ +80°C, 10 ~ 95%RH Non-condensing
Temp. Coefficient	0.03%/(0 ~ 40°C)
MTBF	50.5Khrs min. MIL-HDBK-217F(25°C)

Safety & EMC			
Safety Standards	BS EN IEC 62368-1		
Withstand Voltage	I/P-O/P: 3KVAC/1min		
Isolation Resistance	I/P-O/P: 100M Ohms / 500VDC / 25°C/ 70% RH		
EMC Emission	Parameter	Standard	Test Level
	Conducted	EN55032(CISPR32), FCC Part 15 Subpart B	CLASS B
	Radiated	EN55032(CISPR32), FCC Part 15 Subpart B	CLASS B
	Harmonic Current	BS EN61000-3-2	CLASS B
	Voltage flicker	BS EN61000-3-3	CLASS B
EMC Immunity	Parameter	Standard	Test Level
	ESD	BS EN61000-4-2	Level 3, 8KV air, criteria A
	Radiated Susceptibility	BS EN61000-4-3	Level 3, criteria A
	EFT/Burest	BS EN61000-4-4	Level 3, criteria A
	Surge	BS EN61000-4-5	Level 4, 2KV/L-N, criteria A
	Conducted	BS EN61000-4-6	Level 3, criteria A
	Magnetic Field	BS EN61000-4-8	Level 4, criteria A
	Voltage Dips and interruptions	BS EN61000-4-11	> 95% dip 0.5 periods, 30% dip 25 periods, >95% interruptions 250 periods>

Notes:

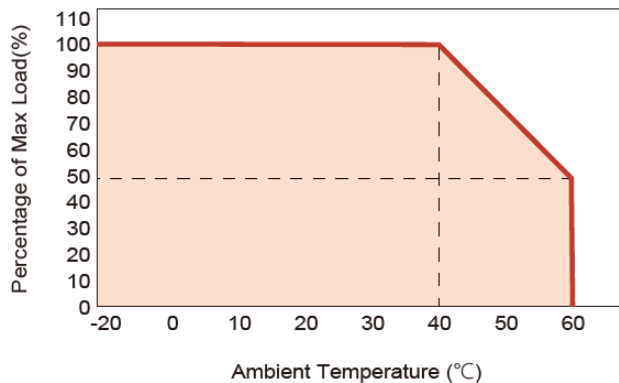
1. All parameters without special description are measured under the conditions of input 230VAC, rated load, ambient temperature 25 ° C, and ambient humidity less than 75%.
2. Ripple & noise are measured from peak to peak with a bandwidth limit of 20MHz(0.1uf and 47uf /50V parallel capacitor under DC output full load, AC nominal input 25 °C ambient temperature).
3. Tolerance: includes set up tolerance, line and load regulation.
4. Derating may be needed under low input voltages. Please check the derating curve for more details.
5. The power supply is considered a component which will be installed into the final equipment. The final equipment must be confirmed to meet EMC directives. For guidance on performing these EMC tests, please refer to "EMI testing of component power supplies."
6. The ambient temperature derating of 3.5°C/1000m is needed for operating altitude greater than 2000m(6500ft).

Dimensions & Weight		
	Measurements	Weight
56YSV12-2400250-RS	44x33 x43.5cm	150g/pcs;

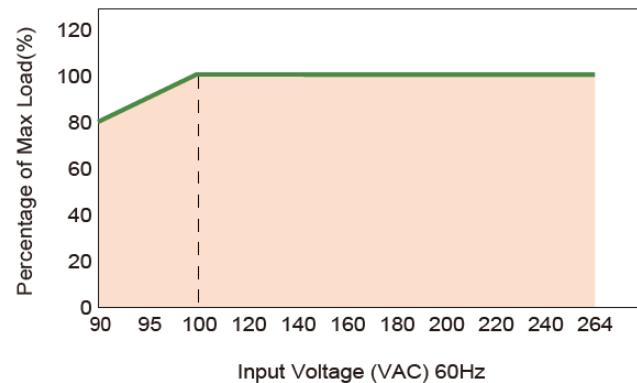
Packaging	
Carton Size	62.8 x 42 x 35.9 mm
Master Carton Quantities	100pcs/carton

Derating Curves

1. Derating Curve


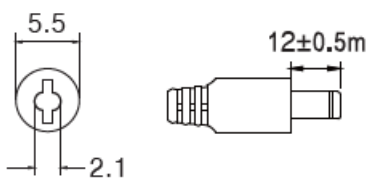
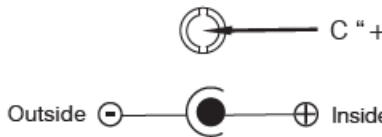


2. Static Characteristics



DC Output Plug (Option)

Standard Model : D1J

D1J	Pin Assignment
 	

DC Output Plug (Option)

Standard models: All

AC Plug	Interchangeable Type(Unfoldable; AC Pin fixed)			
	US	EU	AU	UK
Dimension	