

Features

- Input Voltage 85~305V AC
- Cooling by free air convection
- Efficiency up to 89.5%
- Efficiency up to 88%
- 3 Years Warranty



56YEP200-xx AC-DC PSU Series

200W Enclosed AC/DC Power Supply (PSU)





The 56YEP200-xx Series is a performance-focused 200W Enclosed AC/DC Power Supply. Designed for use in applications such as network equipment and signal distribution hardware. This series is supplied with a Screw Terminal Block input connection and supports input voltages of 85~305V AC 47~63Hz.

Models						
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	Voltage (V)	Rated	Rated	%	Voltage	Ripple and
Model	DC	Current	Power	Efficiency	range	Noise mVp-
56YEP200-05	5	40	200	85	4.5~5.5	150
56YEP200-7.5	7.5	26.7	200.25	88.5	6~9	150
56YEP200-12	12	16.7	200.4	88	10~13.2	150
56YEP200-13.5	13.5	14.9	201.15	88	12~15	150
56YEP200-15	15	13.4	201	89	13.5~18	150
56YEP200-24	24	8.4	201.6	88.5	20~26.4	150
56YEP200-27	27	7.46	201.6	88.5	26~31.5	200
56YEP200-36	36	5.56	201.16	88.5	32.4~39.6	220
56YEP200-48	48	4.2	201.6	89	41~56	240
56YEP200-60	60	3.36	201.6	89.5	52~66	300



Input Specifications			
Input Voltage	85-305VAC		
Frequency Range	47-63Hz		
AC Current	2.5A/115VAC	1.3A/230VAC	
Inrush Current	Cold Start 60A/1200us at 23	0VAC 50Hz	Cold Start 30A/1000us at 115VAC 50Hz
Leakage Current	<1.5mA/240VAC		
Power Factor	>0.95/230VAC at full load	>0.98/115VA	AC at full load

Output Specifications			
Nette me Telemen e	±2.0%	5 / 7.5v	
Voltage Tolerance	±1.0%	Others	
Line Regulation	±0.5%		
Load Regulation	±1.5%	5 / 7.5v	
	±1.0%	Others	
Set up Rise Time Hold up	0.5s,30ms,55	ms/230VAC(at full load)	0.5s,30ms,10ms/115VAC(at full load)

Protection	
Over Load	105~135%Rated Output Power
Over Load	Hiccup mode, recovers automatically after fault condition is removed.
Over Meltere	115~140%Rated Output Voltage
Over Voltage	Shut down o/p voltage, re-power on to recover.
Short Circuit	Hiccup mode, recovers automatically after fault condition is removed
Over Temperature	Shut down o/p voltage, recovers automatically after temperature goes down.

Environmental Characte	eristics
Working Temp	-30~+70°C (Refer to "Derating Curve")
Working Humidity	20~95% RH non-condensing
Storage Temp., Humidity	-40~+85°C, 10~95% RH non-condensing
Temp. Coefficient	±0.03%/°C (0~50°C)
Vibration	Component: 10 ~ 500Hz, 5G 10min./1cycle, 60min. each along X, Y, Z axes
Over Voltage Category	OVC II / According to EN62368-1; altitude up to 2000 meters
MTBF	256.5Khrs min. MIL-HDBK-217F(25°C)
Safety Protection	Class I

Safety & EMC	
Safety Standards	BS/EN62368-1
Withstand Voltage	I/P-O/P:3KVAC/1min I/P-FG:2KVAC/1min O/P-FG:0.5KVAC/1min
Isolation Resistance	I/P-O/P:100M Ohms / 500VDC / 25°C/ 70% RH
EMC Emission	Compliance to BS EN/EN55032 (CISPR32) Class B, BS EN/EN61000-3-2 Class A,BS EN/EN61000-3-3
EMC Immunity	Compliance to BS EN/EN61000-4-11 Criteria B, BS EN/EN61000-4-2,3,4,5,6,8 Criteria A



Notes:

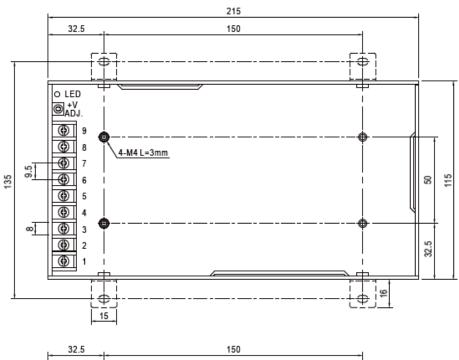
- 1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25 $^{\circ}$ C of ambient temperature.
- 2. Ripple & noise are measured from peak to peak with band width limit of 20MHz (0.1uf and 47uf /50V parallel capacitor under DC output full load, AC nominal input 25 °C ambient temperature).
- 3. Derating may be needed under low input voltages. Please check the derating curve for more details.
- 4. The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives. For guidance on how to perform these EMC tests, please refer to "EMI testing of component power supplies."
- 5. The ambient temperature derating of 5°C/1000m is needed for operating altitude greater than 2000m(6500ft).

Dimensions & Weig	nt .
Size	215 x 115 x 30 mm
Weight	720g/pcs

Packaging		
Carton Size	38 x 20 x 25.5 cm	
Master Carton Quantities	15pcs/carton	

Dimensions and Recommended Layout

(Unit: mm , tolerance: ±1mm)



Output	
No.	Description
4,5,6	DC OUTPUT -V
7,8,9	DC OUTPUT +V

Input	
No.	Description
1	AC/L
2	AC/N
3	PE

