



RIEV/TECH

DIN Rail Power Supply

Highlight:

- A. CE approved
- B. AC85-AC264V input
- C. Overload & Over voltage protection

General Specification:

Model		RPS-100-12	RPS-100-24
Output	DC voltage	12V	24V
	Rated current	7.5	4.0A
	Current range	0 ~ 7.5A	0 ~ 4.0A
	Rated power	90W	96W
	Ripple noise	120mVp-p	150mVp-p
	Voltage ADJ. range	10.8--13.2V	21.6--26.4V
	Voltage tolerance	±1.0%	±1.0%
	Line regulation	±1.0%	±1.0%
	Load regulation	±1.0%	±1.0%
	Setup, rise time	800ms, 80ms, /230VAC at full load	
	Hold time(Typ.)	60ms/230VAC	
Input	Voltage range	85 ~ 264VAC or 120 ~ 370VDC	
	Frequency range	47 ~ 63Hz	
	Efficiency(Typ.)	86%	87%
	AC current	1.5A/115VAC 0.75A/230VAC	
	Inrush current(max.)	COLD START28A/115VAC 56A/230VAC	
Protection	Overload	105--150% rated output power	
		Protection type: Constant current limiting, recovers automatically after fault condition is removed	
	Over voltage	13.8 ~ 16.2V	27.6 ~ 32.4V
		Protection type: Shut down o/p voltage, re-power on to recover	
Over temperature	T>135°C typical value (U1) detection power transistor radiator		
	Protection type: Shut down o/p voltage, re-power on to recover		
Environment	Working temp.	-20 ~ +60°C	
	Working humidity	20 ~ 90% RH non-condensing	
	Storage Temp. humidity	-40 ~ +85°C, 10 ~ 95% RH	
	Temp. coefficient	±0.03%/°C (0 ~ 50°C)	
	Vibration	10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes	
Safety&EMC	Safety standards	Design refer to TUV EN60950-1, EN50178	
	Withstand voltage	I/P-O/P: 3KVAC I/P-FG: 1.5KVAC O/P-FG: 0.5KVAC	
	Isolation resistance	I/P-O/P, I/P-FG, O/P-FG: 100M Ohms/500VDC	

	EMI conduction&radiation	Compliance to EN55022 (CISPR22) Class B
Others	Harmonic current	Compliance to EN61000-3-2,-3
	EMS immunity	Compliance to EN61000-4-2, 3, 4, 5; ENV50204, EN55024, Light industry level, criteria A
	MTBF	364.6Khrs Min. MIL-HDBK-217F (25°C)
	Dimension	100×93×56mm(W x H x D)
	Packing	0.45Kg; 24pcs/156KG/1.2CUFT

Dimensions: 100×93×56mm(W x H x D)

Terminal definition

Terminal NO.	Wiring	Terminal NO.	Wiring
1	AC/L	5,6	-V
2	AC/N	7	LED
3, 4	+V	8	+V ADJ

