

RS-25 series

Authorized Distributor: Total Power International, Inc.

Toll Free: 877-646-0900(US)

PH# (978)453-7272



- Universal AC input / Full range
- Protections: Short circuit / Overload / Over voltage
- Cooling by free air convection
- LED indicator for power on
- 100% full load burn-in test
- All using 105℃ long life electrolytic capacitors
- Withstand 300VAC surge input for 5 second
- High operating temperature up to $70^\circ\!\!\!\!\mathrm{C}$
- Withstand 5G vibration test
- · High efficiency, long life and high reliability
- 3 years warranty





c Aus Substitute CBCE

SPECIFICATION

MODEL		RS-25-3.3	RS-25-5	RS-25-12	RS-25-15	RS-25-24	RS-25-48
	DC VOLTAGE	3.3V	5V	12V	15V	24V	48V
ОИТРИТ	RATED CURRENT	6A	5A	2.1A	1.7A	1.1A	0.57A
	CURRENT RANGE	0 ~ 6A	0 ~ 5A	0 ~ 2.1A	0 ~ 1.7A	0 ~ 1.1A	0 ~ 0.57A
	RATED POWER	19.8W	25W	25.2W	25.5W	26.4W	27.36W
	RIPPLE & NOISE (max.) Note.2		80mVp-p	120mVp-p	120mVp-p	120mVp-p	200mVp-p
	VOLTAGE ADJ. RANGE	2.85 ~ 3.6V	4.75 ~ 5.5V	10.8 ~ 13.2V	13.5 ~ 16.5V	22 ~ 27.6V	42 ~ 54V
	VOLTAGE TOLERANCE Note.3	±3.0%	±2.0%	±1.0%	±1.0%	±1.0%	±1.0%
		±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%
	LOAD REGULATION Note.5	±2.0%	±1.0%	±0.5%	±0.5%	±0.5%	±0.5%
	SETUP, RISE TIME	1200ms, 23ms/230	1 1 1	0ms/115VAC at full lo	1 111	1=0.070	120070
	HOLD UP TIME (Typ.)	80ms/230VAC 14ms/115VAC at full load					
INPUT	VOLTAGE RANGE	88 ~ 264VAC 125 ~ 373VDC (Withstand 300VAC surge for 5sec. Without damage)					
	FREQUENCY RANGE	47 ~ 63Hz					
	EFFICIENCY(Typ.)	72%	77%	79%	82%	84%	85%
	AC CURRENT (Typ.)	0.7A/115VAC 0.4A/230VAC					
	INRUSH CURRENT (Typ.)	COLD START 30A/230VAC					
	LEAKAGE CURRENT	<2mA / 240VAC					
PROTECTION		110 ~ 180% rated output power					
	OVERLOAD	Protection type: Hiccup mode, recovers automatically after fault condition is removed					
	OVER VOLTAGE	3.8 ~ 4.45V	5.75 ~ 6.75V	13.8 ~ 16.2V	17.25 ~ 20.25V	27.6 ~ 32.4V	55.2 ~ 64.8V
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ENVIRONMENT	WORKING TEMP.	-20 ~ +70°C (Refer to output load derating curve)					
	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, 5G 10min./1cycle, period for 60min. each along X, Y, Z axes					
SAFETY & EMC (Note 6)	SAFETY STANDARDS	UL60950-1, TUV EN60950-1 approved					
	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 / 25°C / 70% RH					
	EMI CONDUCTION & RADIATION						
	HARMONIC CURRENT	Compliance to EN61000-3-2,-3					
	EMS IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11; ENV50204, light industry level, criteria A					
OTHERS	MTBF	309.7Khrs min. MIL-HDBK-217F (25°C)					
	DIMENSION	78*51*28mm (L*W*H)					
	PACKING	0.2Kg; 60pcs/13Kg/0.46CUFT					
NOTE	All parameters NOT special Ripple & noise are measure Tolerance: includes set up Line regulation is measurec Load regulation is measure	0.2Rg; oupcs/15Rg/0.46C0F1					



