



■ Features :

- AC input active surge current limiting
- · AC input range selected by switch
- Protections: Short circuit / Overload / Over voltage / Over temperature
- Forced air cooling by built-in DC ball bearing fan
- High power density 7.3w/inch³
- With DC_OK signal output
- Built-in remote ON-OFF control
- Built-in remote sense function
- UL / CUL approved
- Low cost
- 2 years warranty



SPE

■ GTIN CODE

MW Search: https://www.meanwell.com/			R33100	c 712 us		EHE	CB	(UK	
ECIFICATION				CNS14336-1	UL623			IEC62368-1		

MODEL		SE-1000-5	SE-1000-9	SE-1000-12	SE-1000-15	SE-1000-24	SE-1000-48				
ОИТРИТ	DC VOLTAGE	5V	9V	12V	15V	24V	48V				
	RATED CURRENT	150A	100A	83.3A	66.7A	41.7A	20.8A				
	CURRENT RANGE	0 ~ 150A	0 ~ 100A	0 ~ 83.3A	0 ~ 66.7A	0 ~ 41.7A	0 ~ 20.8A				
	RATED POWER	750W	900W	999.6W	1000.5W	1000.8W	998.4W				
	RIPPLE & NOISE (max.) Note.2	150mVp-p	150mVp-p	150mVp-p	150mVp-p	200mVp-p	200mVp-p				
	VOLTAGE ADJ. RANGE	3.3 ~ 5.5V	7.5 ~ 10V	10 ~ 13.5V	13.5 ~ 16.5V	22 ~ 27.5V	43 ~ 56V				
	VOLTAGE TOLERANCE Note.3	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%				
	LINE REGULATION	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%				
	LOAD REGULATION	±1.0%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%				
	SETUP, RISE TIME	1500ms, 50ms/230V/	AC 1500ms, 50m	s/115VAC at full load	'						
	HOLD UP TIME (Typ.)	20ms/230VAC 15ms/115VAC at full load									
	VOLTAGE RANGE	90 ~ 132VAC / 180 ~ 264VAC selected by TB2 254 ~ 370VDC									
	FREQUENCY RANGE	47 ~ 63Hz									
	EFFICIENCY (Typ.)	81%	84%	85%	86%	88%	89%				
INPUT	AC CURRENT (Typ.)		0A/230VAC	1	1	1227					
	INRUSH CURRENT (Typ.)		A/230VAC								
	LEAKAGE CURRENT	<2.5mA / 240VAC									
		105 ~ 125% rated output power									
PROTECTION	OVERLOAD OVER VOLTAGE	Protection type: Shut down o/p voltage, re-power on to recover									
		5.75 ~ 6.75V	10.4 ~ 12.2V	13.8 ~ 16.2V	18 ~ 21V	28 ~ 32.4V	57.6 ~ 67.2V				
					1.0 2.11	120 02	0.10 0.121				
	OVER TEMPERATURE	Protection type: Shut down o/p voltage, re-power on to recover Shut down o/p voltage, recovers automatically after temperature goes down									
	DC_OK SIGNAL	PSU turn on:3.3V ~ 5.6V PUS turn off:0 ~ 1V									
FUNCTION	REMOTE CONTROL	RC+/RC-: 0 ~ 0.8V power on; 4 ~ 10V power off									
ENVIRONMENT	WORKING TEMP.	-20 ~ +60°C (Refer to "Derating Curve")									
	WORKING HUMIDITY	20 ~ 90% RH non-condensing									
	STORAGE TEMP., HUMIDITY	-40 ~ +85°C, 10 ~ 95% RH									
	TEMP. COEFFICIENT	±0.05%/°C (0~50°C)									
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes									
	SAFETY STANDARDS	UL62368-1, BSMI CNS14336-1, EAC TP TC 004 approved; Design refer to BS EN/EN62368-1									
	WITHSTAND VOLTAGE	I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC									
	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH									
	EMC EMISSION	Parameter		Standard		Test Level / Note					
		Conducted		BS EN/EN55032 (CI	ISPR32)	PR32) Class A					
SAFETY &		Radiated BS EN/EN55032 (CISPR32)			ISPR32)	Class A					
		Harmonic Current	onic Current BS EN/EN61000-3-2								
		Voltage Flicker BS EN/EN61000-3-3									
EMC	EMC IMMUNITY	BS EN/EN55035, BS EN/EN61000-6-2									
(Note 4)		Parameter Standard Test Level / Note									
		ESD		BS EN/EN61000-4-2		Level 3, 8KV air ; Level 2, 4KV contact					
				BS EN/EN61000-4-3		Level 3					
		EFT / Burst		BS EN/EN61000-4-4		Level 3					
		Surge	BS EN/EN61000-6-2 2KV/Line-Line 4KV/Line			Line-Earth					
		Conducted		BS EN/EN61000-4-6 Level 3							
		Magnetic Field		BS EN/EN61000-4-8 Level 4							
		Voltage Dips and Inte	erruptions	BS EN/EN61000-4-11							
OTHERS	MTBF	1273.6K hrs min.	n. Telcordia SR-332 (Bellcore) ; 251.6K hrs min. MIL-HDBK-217F (25°C)								
	DIMENSION	278*127*63.5mm (L*W*H)									
	PACKING	2.5Kg; 6pcs/16Kg/1.3									
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NOTE

- 1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.

 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. Tolerance: includes set up tolerance, line regulation and load regulation.

 4. The power supply is considered a component which will be installed into a final equipment. All the EMC tests are been executed by mounting the unit on a 720mm*360mm metal plate with 1mm of thickness. 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."

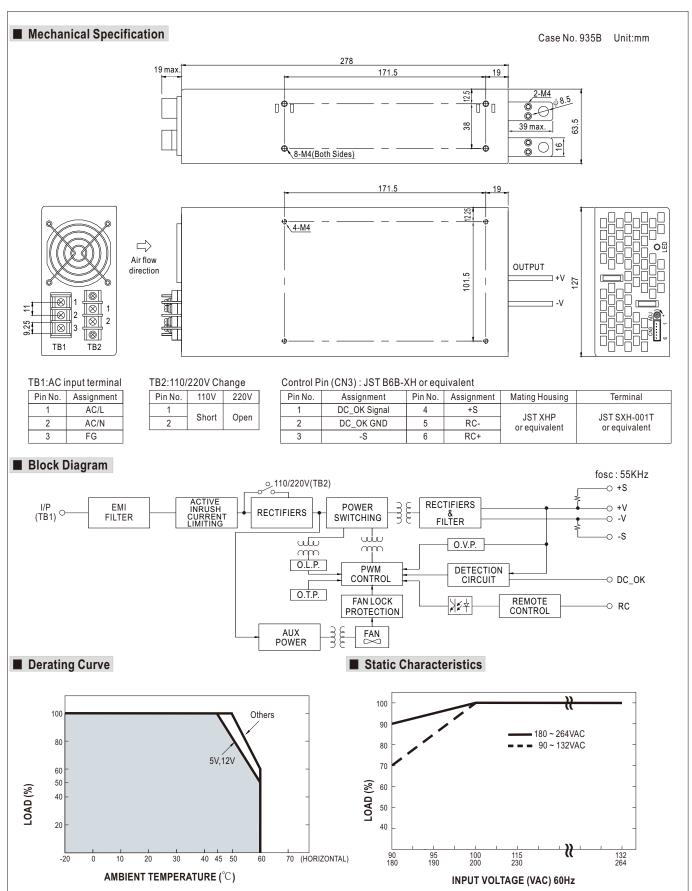
 (as available on https://www.meanwell.com//Upload/PDF/EMI_statement_en.pdf)

 5. By using UVP circuit, PSU will not turn on direct by in AC continue ON/OFF condition within 5 sec.

 6. The ambient temperature derating of 3.5°C/1000m with fanless models and of 5°C/1000m with fan models for operating altitude higher than 2000m(6500ft).

- This power supply does not meet the harmonic current requirements outlined by EN61000-3-2. Please do not use this power supply under the following conditions:
- a) the end-devices is used within the European Union, and b) the end-devices is connected to public mains supply with 220Vac or greater rated nominal voltage, and
- c) the power supply is:
- installed in end-devices with average or continuous input power greater than 75W, or belong to part of a lighting system
- Power supplies used within the following end-devices do not need to fulfill EN61000-3-2
- a) professional equipment with a total rated input power greater than 1000W;b) symmetrically controlled heating elements with a rated power less than or equal to 200W ** Product Liability Disclaimer : For detailed information, please refer to https://www.meanwell.com/serviceDisclaimer.aspx







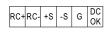
■ Mechanical Specification

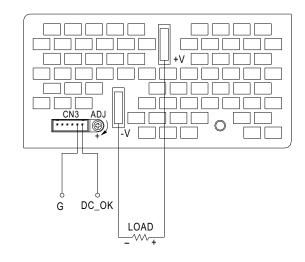
DC_OK Signal

DC_OK Signal is the voltage difference between "DC_OK" and "G" pin output

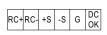
DC_OK Signal is a TTL level signal

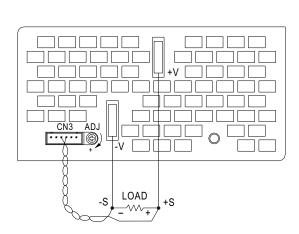
PSU turn on: 3.3 ~ 5.6V PSU turn off: 0 ~ 1V





Remote Sensing





Remote Control

