



- 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



■ GTIN CODE

MW Search: <https://www.meanwell.com/serviceGTIN.aspx>

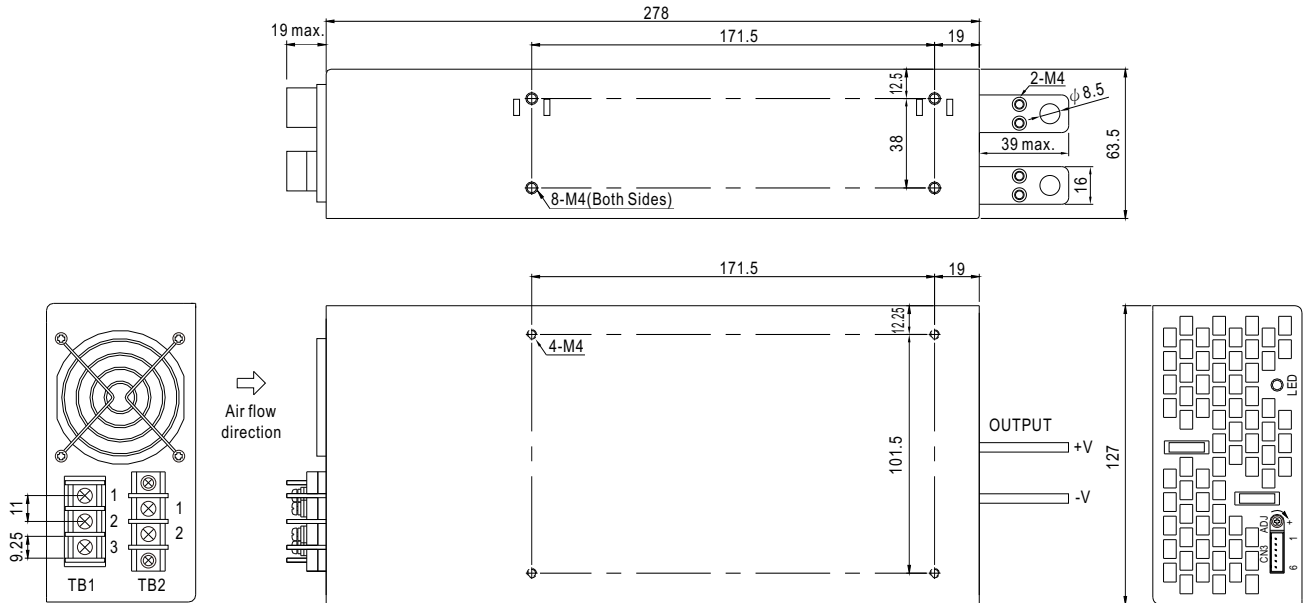


SPECIFICATION

MODEL	SE-1000-5		SE-1000-9		SE-1000-12		SE-1000-15		SE-1000-24		SE-1000-48		
OUTPUT	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/230VAC 1500ms, 50ms/115VAC at full load											
HOLD UP TIME (Typ.)	20ms/230VAC 15ms/115VAC at full load												
INPUT	VOLTAGE RANGE	90 ~ 132VAC / 180 ~ 264VAC selected by TB2 254 ~ 370VDC											
	FREQUENCY RANGE	47 ~ 63Hz											
	EFFICIENCY (Typ.)	81%		84%		85%		86%		88%		89%	
	AC CURRENT (Typ.)	17.5A/115VAC		10A/230VAC									
	INRUSH CURRENT (Typ.)	35A/115VAC		55A/230VAC									
	LEAKAGE CURRENT	<2.5mA / 240VAC											
PROTECTION	OVERLOAD	105 ~ 125% rated output power Protection type : Shut down o/p voltage, re-power on to recover											
	OVER VOLTAGE	5.75 ~ 6.75V		10.4 ~ 12.2V		13.8 ~ 16.2V		18 ~ 21V		28 ~ 32.4V		57.6 ~ 67.2V	
		Protection type : Shut down o/p voltage, re-power on to recover											
	OVER TEMPERATURE	Shut down o/p voltage, recovers automatically after temperature goes down											
FUNCTION	DC_OK SIGNAL	PSU turn on:3.3V ~ 5.6V PUS turn off:0 ~ 1V											
	REMOTE CONTROL	RC+/RC-: 0 ~ 0.8V power on; 4 ~ 10V power off											
ENVIRONMENT	WORKING TEMP.	-20 ~ +60℃ (Refer to "Derating Curve")											
	WORKING HUMIDITY	20 ~ 90% RH non-condensing											
	STORAGE TEMP., HUMIDITY	-40 ~ +85℃, 10 ~ 95% RH											
	TEMP. COEFFICIENT	± 0.05%/℃ (0 ~ 50℃)											
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes											
SAFETY & EMC (Note 4)	SAFETY STANDARDS	UL62368-1, BSMI CNS15598-1, 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℃ / 70% RH											
	EMC EMISSION	Parameter	Standard					Test Level / Note					
		Conducted	BS EN/EN55032 (CISPR32),CNS15936					Class A					
		Radiated	BS EN/EN55032 (CISPR32),CNS15936					Class A					
		Harmonic Current	BS EN/EN61000-3-2					-----					
		Voltage Flicker	BS EN/EN61000-3-3					-----					
	EMC IMMUNITY	BS EN/EN55035, BS EN/EN61000-6-2											
		Parameter	Standard					Test Level / Note					
		ESD	BS EN/EN61000-4-2					Level 3, 8KV air ; Level 2, 4KV contact					
		Radiated	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-Earth					
		Conducted	BS EN/EN61000-4-6					Level 3					
		Magnetic Field	BS EN/EN61000-4-8					Level 4					
		Voltage Dips and Interruptions	BS EN/EN61000-4-11					>95% dip 0.5 periods, 30% dip 25 periods, >95% interruptions 250 periods					
OTHERS	MTBF	1273.6K hrs min. Telcordia SR-332 (Bellcore) ; 251.6K hrs min. MIL-HDBK-217F (25℃)											
	DIMENSION	278*127*63.5mm (L*W*H)											
	PACKING	2.5Kg; 6pcs/16Kg/1.38CUFT											
NOTE	1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25℃ 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℃/1000m with fanless models and of 5℃/1000m with fan models for operating altitude higher than 2000m(6500ft). 7. 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 Exception: 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

Case No. 935B Unit:mm



TB1:AC input terminal

Pin No.	Assignment
1	AC/L
2	AC/N
3	FG

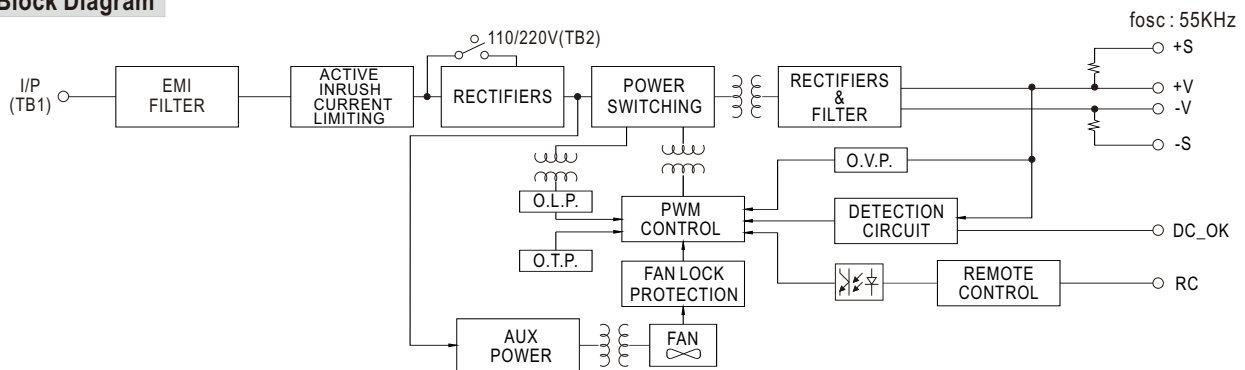
TB2:110/220V Change

Pin No.	110V	220V
1	Short	Open
2	Short	Open

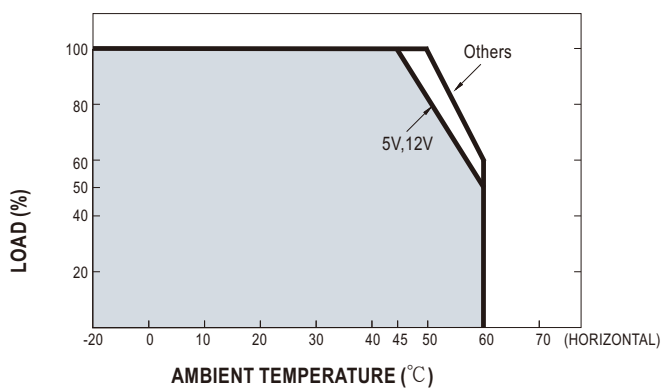
Control Pin (CN3) : JST B6B-XH or equivalent

Pin No.	Assignment	Pin No.	Assignment	Mating Housing	Terminal
1	DC_OK Signal	4	+S	JST XHP or equivalent	JST SXH-001T or equivalent
2	DC_OK GND	5	RC-		
3	-S	6	RC+		

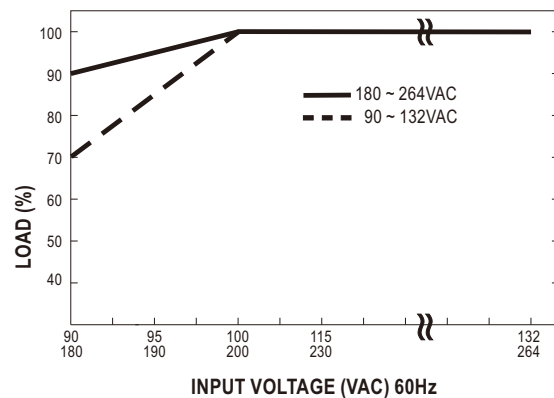
Block Diagram



Derating Curve



Static Characteristics



Mechanical Specification

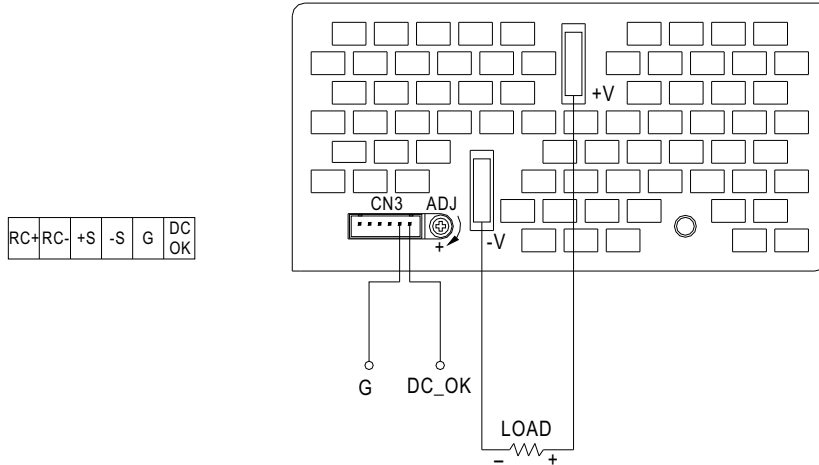
DC_OK Signal

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

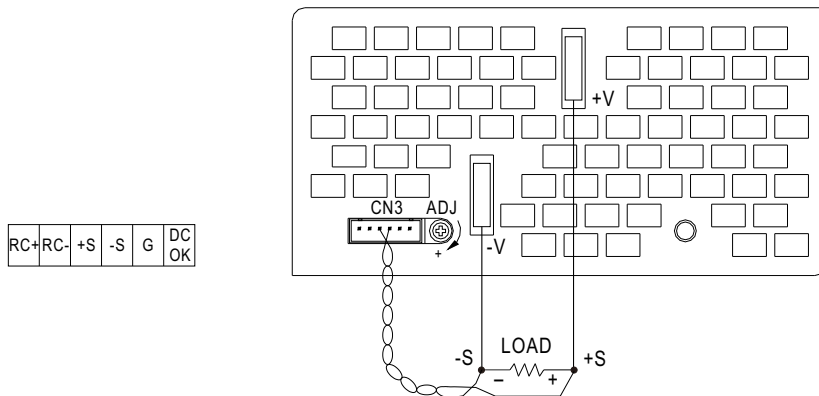
DC_OK Signal is a TTL level signal

PSU turn on: 3.3 ~ 5.6V

PSU turn off: 0 ~ 1V



Remote Sensing



Remote Control

Between RC+ and RC-	Output
SW OFF(0 ~ 0.8V)	ON
SW ON(4 ~ 10V)	OFF

