



■ Features :

- AC input 180 ~ 264VAC
- AC input active surge current limiting
- Protections: Short circuit / Overload / Over voltage / Over temperature
- Forced air cooling by built-in DC ball bearing fan
- High power density 7.8w/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



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

SPECIFICATION

GTIN CODE

c Sus [∏ CB CE LA TPTC004 IEC62368-1

MODEL		SE-1500-5	SE-1500-12	SE-1500-15	SE-1500-24	SE-1500-27	SE-1500-48			
	DC VOLTAGE	5V	12V	15V	24V	27V	48V			
ОИТРИТ	RATED CURRENT	300A	125A	100A	62.5A	55.6A	31.3A			
	CURRENT RANGE	0 ~ 300A	0 ~ 125A	0 ~ 100A	0 ~ 62.5A	0 ~ 55.6A	0 ~ 31.3A			
	RATED POWER	1500W	1500W	1500W	1500W	1501.2W	1502.4W			
	RIPPLE & NOISE (max.) Note.2	150mVp-p	150mVp-p	150mVp-p	150mVp-p	150mVp-p	150mVp-p			
	VOLTAGE ADJ. RANGE	3.3 ~ 5.5V	10.8 ~ 13.5V	13.5 ~ 16.5V	21.6 ~ 26.4V	25 ~ 30V	43.2 ~ 56V			
	VOLTAGE TOLERANCE Note.3	±2.0%	±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	±2.0%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%			
	SETUP, RISE TIME	150ms, 12ms / 230VAC at full load								
	HOLD UP TIME (Typ.)	26ms / 230VAC at full load								
	VOLTAGE RANGE	180 ~ 264VAC								
	FREQUENCY RANGE	47 ~ 63Hz								
	EFFICIENCY (Typ.)	81%	85%	85%	87%	88%	89%			
NPUT	AC CURRENT (Typ.)	17.5A / 230VAC	1 2 7 7	1	12.70	1277	1 2 7 7			
	INRUSH CURRENT (Typ.)	60A / 230VAC								
	LEAKAGE CURRENT	<3.5mA / 240VAC								
		105 ~ 125% rated output power								
	OVERLOAD OVER VOLTAGE			, re-power on to recov	er					
ROTECTION		5.75 ~ 6.75V	14.5 ~ 16.2V	18 ~ 21V	27.6 ~ 32.4V	31 ~ 35V	57.6 ~ 67.2V			
KOILCIION						01 001	01.0 01.24			
	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								
UNCTION	REMOTE CONTROL	RC+/RC-: 0 ~ 0.8V power on; 4 ~ 10V power off								
	WORKING TEMP.	-20 ~ +70°C (Refer to "Derating Curve")								
	WORKING HUMIDITY	20 ~ 90% RH non-condensing								
NVIDONMENT		· ·								
NVIRONMENT	STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT	-40 ~ +85°C, 10 ~ 95% RH ±0.05%°C (0 ~ 50°C)								
	VIBRATION	±0.05%/ C (0 ~ 50 C) 10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes								
	SAFETY STANDARDS	UL62368-1, BSMI CNS15598-1, EAC TP TC 004 approved; Design refer to BS EN/EN62368-1								
	WITHSTAND VOLTAGE	U/P-O/P:3KVAC								
	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH								
	EMC EMISSION	Parameter			Test Level / Note					
		Conducted			2 (CISPR32),CNS15936					
		Radiated		BS EN/EN55032 (CISPR32),CNS15936		Class A				
		Harmonic Curre	nt	BS EN/EN61000-3-2						
		Voltage Flicker								
SAFETY &			, BS EN/EN61000-6-							
MC Note 4)	EMC IMMUNITY	Parameter	, 20 2 2	Standard		Test Level / Not	e			
		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				2KV/Line-Line 4KV/Line-Earth				
		Conducted	BS EN/EN61000-4-6		Level 3					
		Magnetic Field			S EN/EN61000-4-8 Level 4					
		Voltage Dips and	Interruptions	BS EN/EN61000			riods, 30% dip 25 period			
	MTBF	999.9K hrs min.	Telcordia SR-332 (E	Bellcore) ; 134.5K hrs r	min. MIL-HDBK-217F (<u> </u>	200 poriodo			
OTHERS	DIMENSION	278*177.8*63.5mm (L*W*H)								
	PACKING	3.3Kg; 4pcs/14.2Kg/1.14CUFT								
NOTE		3.3Kg; 4pcs/14.2	Kg/1.14CÚFT		OF°C -f	-1				

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."

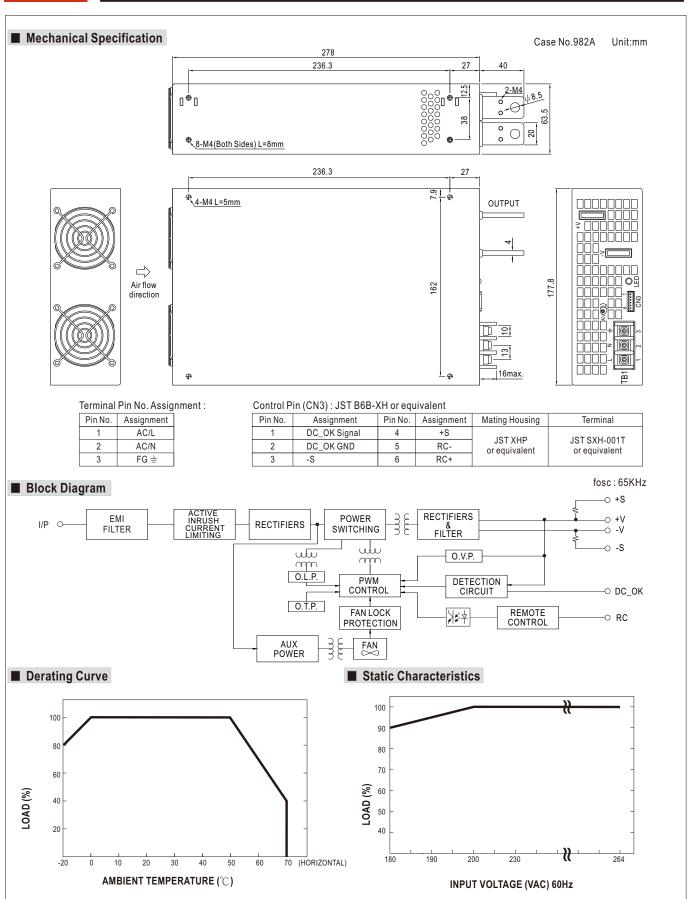
 (as available on https://www.meanwell.com//Upload/PDF/EMI_statement_en.pdf)

 5. 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).

 6. This power supply does not meet the harmonic current requirements cultilized by ENIS1000-3-2. Please do not use this power supply.
- 6. 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







■ Function Description of CN3

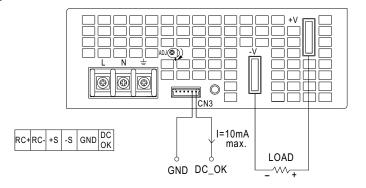
Pin No.	Function	Description			
1	DC_OK	DC_OK signal is a TTL level signal, referenced to pin2(DC_OK GND). "High" when PSU turns on.			
2	GND	This pin connects to the negative terminal (-V). Return for DC_OK signal output.			
3		Negative sensing. The -S signal should be connected to the negative terminal of the load. The -S and +S leads should be twisted in pair to minimize noise pick-up effect.			
4		Positive sensing. The +S signal should be connected to the positive terminal of the load. The +S and -S leads should be twisted in pair to minimize noise pick-up effect.			
5	RC-	Return for RC+ signal input.			
6	RC+	Turns the output on and off by electrical or dry contact between pin 6 (RC+) and pin 5 (RC-). 0~0.8V: Power ON, 4~10V: Power OFF.			

■ Function Manual

1.DC_OK Signal

DC_OK Signal is a TTL level signal. "High" when PSU turns on.

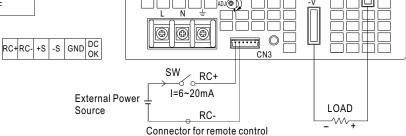
Between DC_OK(pin1) and GND(pin2)	Output Status
3.3 ~ 5.6V	ON
0 ~ 1V	OFF



2. Remote Control

The PSU can be turned ON/OFF by using the "Remote Control" function.

Between RC+(pin6) and RC-(pin5)	Output Status	
SW OFF (0 ~ 0.8V)	ON	
SW ON (4 ~ 10V)	OFF	



3. Remote Sense

