



■ Features :

- ·DC input active surge current limiting
- *Wide 4:1~2:1 DC input range (24V: 19~72VDC, 96V:72~144VDC)
- Protections: Short circuit / Overload / Over voltage / Over temperature / Input polarity(by fuse)
- ·2000VAC I/O Isolation
- *Forced air cooling by built-in DC fan with fan speed control function
- *Output OK Signal
- *Built-in remote ON-OFF control
- *Built-in remote sense function
- ·3 years warranty



■ GTIN CODE

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

AS/NZS62368-1 BS EN/EN62368-1 TPTC004 IEC62368-1

SPECIFIC	ATION				AS/NZS62368-1 BS E			
MODEL		SD-500L-12	SD-500L-24	SD-500L-48	SD-500H-12	SD-500H-24	SD-500H-48	
ОИТРИТ	DC VOLTAGE	12V	24V	48V	12V	24V	48V	
	RATED CURRENT	40A	21A	10.5A	40A	21A	10.5A	
	CURRENT RANGE	0 ~ 40A	0 ~ 21A	0 ~ 10.5A	0 ~ 40A	0 ~ 21A	0 ~ 10.5A	
	RATED POWER	480W	504W	504W	480W	504W	504W	
	RIPPLE & NOISE (max.) Note.2	150mVp-p	150mVp-p	150mVp-p	150mVp-p	150mVp-p	150mVp-p	
	VOLTAGE ADJ. RANGE	11 ~ 15V	23 ~ 30V	46 ~ 60V	11 ~ 15V	23 ~ 30V	46 ~ 60V	
	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	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	
	SETUP, RISE TIME	500ms, 50ms at full load						
INPUT	VOLTAGE RANGE Note.5	19 ~ 72VDC			72 ~ 144VDC			
	EFFICIENCY (Typ.)	86%	88%	89%	87%	89%	90%	
	DC CURRENT (Typ.)	24.2A/19VDC 2	4.8A/24VDC 12A/4	18VDC	8A/72VDC 6A/	8A/72VDC 6A/96VDC		
	CURRENT (AT NO LOAD)	Max. 0.2A/48VDC			Max. 0.1A/96VDC			
	INRUSH CURRENT (Typ.)	60A/48VDC			60A/96VDC			
PROTECTION		105 ~ 125% rated output power						
	OVERLOAD	Protection type : C	onstant current limiting	g, shut down o/p voltage	e after about 5 sec., re-	power on to recover		
	OVER VOLTAGE	16 ~ 19V	30.8 ~ 35.2V	62 ~ 68V	16 ~ 19V	30.8 ~ 35.2V	62 ~ 68V	
		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	REMOTE ON/OFF CONTROL	Please refer to function manual						
	OUTPUT OK SIGNAL	Open collector signal low when PSU turns on, max. sink current :10mA						
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	±0.02%°C (0 ~ 50°C)						
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes						
SAFETY & EMC (Note 4)	SAFETY STANDARDS	IEC62368-1, TUV BS EN/EN62368-1, EAC TP TC 004 approved, design refer to AS/NZS 62368.1						
	WITHSTAND VOLTAGE	I/P-O/P:2KVAC 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	Compliance to BS EN/EN55032 (CISPR32) Class B, EAC TP TC 020						
	EMC IMMUNITY	Compliance to BS EN/EN61000-4-2,3,4,6,8, light industry level, EAC TP TC 020						
OTHERS	MTBF	1333.7K hrs min. Telcordia SR-332 (Bellcore); 196.3K hrs min. MIL-HDBK-217F (25°C)						
	DIMENSION	215*115*50mm (L*W*H)						
	PACKING	1.15Kg; 12pcs/14.8Kg/0.9CUFT						
NOTE	Ripple & noise are measure Tolerance : includes set up The power supply is consid a 360mm*360mm metal pla perform these EMC tests, p Derating may be needed u The ambient temperature d	incially mentioned are measured at 48, 96VDC input, rated load and 25°C of ambient temperature. Solution of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. Up tolerance, line regulation and load regulation. Insidered a component which will be installed into a final equipment. All the EMC tests are been executed by mounting the unit o plate with 1mm of thickness. The final equipment must be re-confirmed that it still meets EMC directives. For guidance on how to solve the final equipment power supplies." (as available on http://www.meanwell.com) Industrial of 3.5°C/1000m with fanless models and of 5°C/1000m with fan models for operating altitude higher than 2000m(650 mer : For detailed information, please refer to https://www.meanwell.com/serviceDisclaimer.aspx						