



■ Features :

- ·2:1 wide input range
- Protections: Short circuit / Overload / Over voltage
- *1500VAC I/O isolation
- Built-in EMI filter, low ripple noise
- ·100% full load burn-in test
- ·24V and 48V input voltage design refer to LVD
- ·Low cost
- ·High reliability
- ·2 years warranty





 $\text{ (for D type only) } \text{ (for D type only) } \text{$

SDECIEICATION

SPECIFICATION			AS/NZS62	368-1 EN62368-1	TPT	TPTC004 IEC62368-1		
MODEL		SD-150B-12	SD-150C-12	SD-150D-12	SD-150B-24	SD-150C-24	SD-150D-24	
ОИТРИТ	DC VOLTAGE	12V			24V	'		
	RATED CURRENT	12.5A			6.3A			
	CURRENT RANGE	0 ~ 12.5A			0~6.3A			
	RATED POWER	150W			151.2W			
	RIPPLE & NOISE (max.) Note.2	120mVp-p			150mVp-p			
	VOLTAGE ADJ. RANGE	11 ~ 16VDC			23 ~ 30VDC			
	VOLTAGE TOLERANCE Note.3	±1.0%			±1.0%			
	LINE REGULATION	±0.5%			±0.3%			
	LOAD REGULATION	±0.5%			±0.3%			
	SETUP, RISE TIME	2s, 50ms(only D mode) at full load						
	HOLD UP TIME (Typ.)	24ms(only D mode) at full load						
INPUT	VOLTAGE RANGE	B:19 ~ 36VDC						
	EFFICIENCY (Typ.)	75%	77%	79%	77%	80%	82%	
	DC CURRENT (Typ.)	8.5A/24V	4.2A/48V	2.1A/96V	8.5A/24V	4.2A/48V	2.1A/96V	
	INRUSH CURRENT (Typ.)	D:22.5A/96VDC						
	LEAKAGE CURRENT	<0.75mA / 120VAC (SD-150D)						
PROTECTION	OVERLOAD	105 ~ 135% rated output power						
		Protection type: Hiccup mode, recovers automatically after fault condition is removed 16.8V ~ 20V/10% LOAD 31.5 ~ 37.5V/10% LOAD						
	OVER VOLTAGE							
	WORKING TEMP	Protection type: Hiccup mode, recovers automatically after fault condition is removed 10. 160°C (Refer to output load despiting curve)						
ENVIRONMENT	WORKING TEMP.	-10 ~ +60°C (Refer to output load derating curve)						
	WORKING HUMIDITY	20 ~ 90% RH non-condensing						
	STORAGE TEMP., HUMIDITY	-20 ~ +85°C, 10 ~ 95% RH						
	TEMP. COEFFICIENT	±0.03%/°C (0~50°C)						
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes TUV EN62368-1(for D type only), IEC 62368-1 CB approved by TUV (for D type only), AS/NZS 62368.1, EAC TP TC 004 approve						
0455510	SAFETY STANDARDS WITHSTAND VOLTAGE	I/P-O/P:1.5KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC						
SAFETY &	ISOLATION RESISTANCE	I/P-O/P:1.5KVAC						
EMC (Note 4)	EMI CONDUCTION & RADIATION	Compliance to EN55032 (CISPR32) Class B, EAC TP TC 020						
	EMS IMMUNITY	Compliance to EN61000-4-2,3,4,6,8; ENV50204, light industry level, criteria A, EAC TP TC 020						
OTHERS	MTBF	296.2K hrs min.(SD-150B) 289.9K hrs min.(SD-150C) 289K Hrs min.(SD-150D) MIL-HDBK-217F (25°C)						
	DIMENSION	199*110*50mm (L*W*H)						
	PACKING	0.86Kg; 16pcs/14.5l						
NOTE	All parameters NOT specia Ripple & noise are measure Tolerance: includes set up The power supply is consid a 360mm*360mm metal pla perform these EMC tests, p The ambient temperature d	lly mentioned are measured at 24,48,96VDC input, rated load and 25°C of ambient temperature. ed at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. tolerance, line regulation and load regulation. ered a component which will be installed into a final equipment. All the EMC tests are been executed by mounting the unit on te with 1mm of thickness. The final equipment must be re-confirmed that it still meets EMC directives. For guidance on how to blease refer to "EMI testing of component power supplies." (as available on http://www.meanwell.com) erating of 3.5°C/1000m with fanless models and of 5°C/1000m with fan models for operating altitude higher than 2000m(6500f). For detailed information, please refer to https://www.meanwell.com/serviceDisclaimer.aspx						



