

SPECIFICATION

## ■ 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

## **Effi CB**(for D type only) **C**€

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						
				ecovers au	31.5 ~ 37.5V/10% LOAD			
	OVER VOLTAGE							
	WORKING TEMP	Protection type: Hiccup mode, recovers automatically after fault condition is removed  -10 ~ +60°C (Refer to output load derating curve)						
ENVIRONMENT	WORKING TEMP.	, , ,						
	WORKING HUMIDITY	20 ~ 90% RH non-condensing						
	STORAGE TEMP., HUMIDITY	-20 ~ +85°C, 10 ~ 95% RH						
	TEMP. COEFFICIENT VIBRATION	±0.03%°C (0 ~ 50°C)						
	SAFETY STANDARDS	10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes IEC60950-1 CB approved by TUV (for D type only), EAC TP TC 004 approved						
SAFETY &	WITHSTAND VOLTAGE	I/P-O/P:1.5KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC						
EMC	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C/ 70% RH						
(Note 4)	EMI CONDUCTION & RADIATION							
	EMS IMMUNITY	Compliance to EN61000-4-2,3,4,6,8; ENV50204, light industry level, criteria A, EAC TP TC 020						
	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/14.5Kg/0.95CUFT						
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	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.  lered a component which will be installed into a final equipment. All the EMC tests are been executed by mounting the unit or  te with 1mm of thickness. The final equipment must be re-confirmed that it still meets EMC directives. For guidance on how to  lease refer to "EMI testing of component power supplies." (as available on http://www.meanwell.com)  lerating of 3.5°C/1000m with fanless models and of 5°C/1000m with fan models for operating altitude higher than 2000m(6500)						

