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■ Features :

- ·2:1 wide input range
- ·Protections: Short circuit / Overload / Over voltage
- ·1500VAC I/O isolation
- Built-in EMI filter, low ripple noise
- ·Low cost
- ·High reliability
- •2 years warranty







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SPECIFIC	ATION						Aont	2302300-1	(for D type	only)		type only)	
MODEL		SD-100A-5	SD-100B-5	SD-100C-5	SD-100D-5	SD-100A-12	SD-100B-12	SD-100C-12	SD-100D-12	SD-100A-24	SD-100B-24	SD-100C-24	SD-100D-24
ОИТРИТ	DC VOLTAGE	5V				12V				24V			
	RATED CURRENT	18A	18A 20A			8.5A			4.2A				
	CURRENT RANGE	0 ~ 18A	~ 18A 0 ~ 20A				0 ~ 8.5A			0 ~ 4.2A			
	RATED POWER	90W 100W				102W			100.8W				
	RIPPLE & NOISE (max.) Note.2	100mVp-p				120mVp-p				150mVp-p			
	VOLTAGE ADJ. RANGE	4.5 ~ 5.5VDC				11 ~ 16VDC				23 ~ 30VDC			
	VOLTAGE TOLERANCE Note.3	±2.0%				±1.0%				±1.0%			
	LINE REGULATION	±0.5%				±0.3%				±0.2%			
	LOAD REGULATION	±0.5%				±0.3%				±0.2%			
	SETUP, RISE TIME	2s, 50ms(only D mode) at full load											
	HOLD UP TIME (Typ.)	20ms(only	D mode) a	at full load									
	VOLTAGE RANGE	A:9.5 ~ 18VDC B:19 ~ 36VDC				D:36 ~ 72VDC D:72 ~ 144VDC or 85 ~ 1				32VAC			
INPUT	EFFICIENCY (Typ.)	78%	74%	75%	76%	82%	75%	77%	80%	84%	78%	81%	83%
	DC CURRENT (Typ.)	9.7A/12V	4.8A/24V	2.4A/48V	1.8A/96V	10.4A/12V	4.8A/24V	2.4A/48V	1.8A/96V	10A/12V	4.8A/24V	2.4A/48V	1.8A/96V
	INRUSH CURRENT (Typ.)	D:18A/96VDC											
	LEAKAGE CURRENT	<0.75mA/	<0.75mA/120VAC(SD-100D)										
PROTECTION	OVERLOAD		105 ~ 135% rated output power Protection type: Hiccup mode, recovers automatically after fault condition is rem										
	OVER VOLTAGE	F.75 . G.75\/\d0\/\lood \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \											
		Protection type: Hiccup mode, recovers automatically after fault condition is removed											
ENVIRONMENT	WORKING TEMP.		-15 ~ +60°C(SD-100A), -10 ~ +60°C(SD-100B/C/D) (Refer to "Derating Curve")										
	WORKING HUMIDITY	20 ~ 90% RH non-condensing											
	STORAGE TEMP., HUMIDITY		-20 ~ +85°C. 10 ~ 95% RH non-condensing										
	TEMP. COEFFICIENT		±0.03%/°C (0~50°C)										
	VIBRATION		10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes										
	SAFETY STANDARDS	IEC/BS EN/EN 62368-1(for D type only), EAC TP TC 004 approved, design refer to AS/NZS 62368.1											
SAFETY &	WITHSTAND VOLTAGE	I/P-O/P:1.5KVAC I/P-FG:1.5KVAC 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)	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	2600.2K hrs min. Telcordia SR-332 (Bellcore) ; 399.9K hrs min. MIL-HDBK-217F (25°C)											
	DIMENSION	199*98*38	3mm (L*W*	·H)									
	PACKING	0.65Kg; 20pcs/13.8Kg/0.85CUFT											
NOTE	Ripple & noise are measure Tolerance : includes set up The power supply is consid a 360mm*360mm metal plat perform these EMC tests, p The ambient temperature d	ally mentioned are measured at 12,24,48,96VDC input, rated load and 25°C of ambient temperature. red at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. to tolerance, line regulation and load regulation. dered a component which will be installed into a final equipment. All the EMC tests are been executed by mounting the unit on ate with 1mm of thickness. The final equipment must be re-confirmed that it still meets EMC directives. For guidance on how to please refer to "EMI testing of component power supplies." (as available on http://www.meanwell.com) derating of 3.5°C/1000m with fanless models and of 5°C/1000m with fan models for operating altitude higher than 2000m(6500ft) ar: For detailed information, please refer to https://www.meanwell.com/serviceDisclaimer.aspx											