



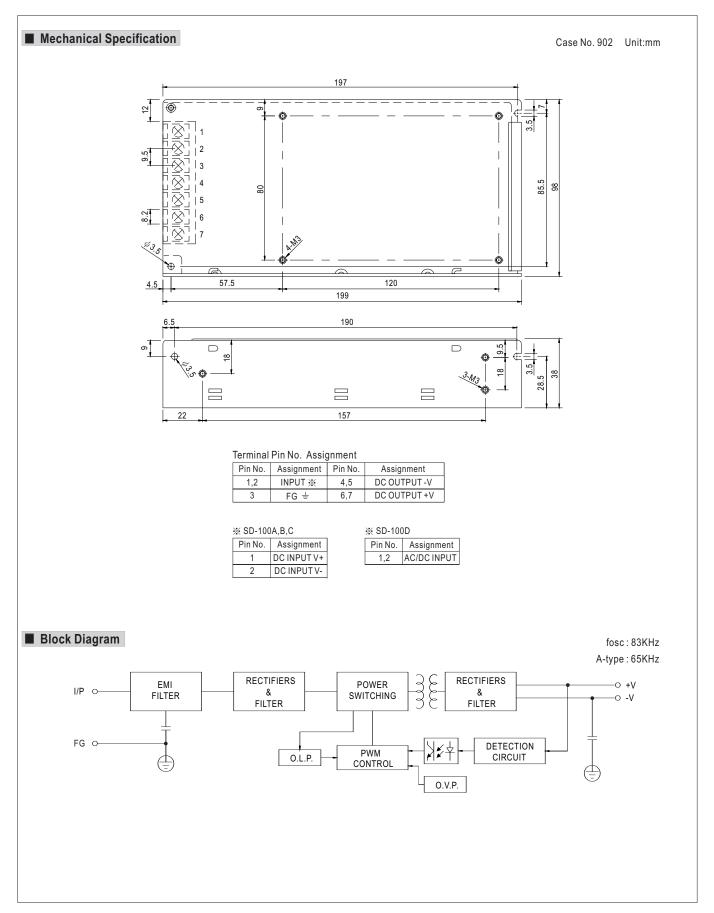
## ■ Features :

- ·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



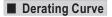
MODEL		SD-100A-5	SD-100B-5	SD-100C-5	SD-100D-5	SD-100A-12	SD-100B-12	SD-100C-12	SD-100D-12	SD-100A-24	SD-100B-24	SD-100C-24	SD-100D-24
ОИТРИТ	DC VOLTAGE	5V				12V				24V			
	RATED CURRENT	18A	20A			8.5A			4.2A				
	CURRENT RANGE	0 ~ 18A	0 ~ 20A			0 ~ 8.5A			0 ~ 4.2A				
	RATED POWER	90W	100W			102W			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					±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) at full load											
	VOLTAGE RANGE	A:9.5 ~ 18	,	B:19 ~ 36V	DC C	:36 ~ 72VDC D:72 ~ 144VDC or 85 ~ 13				32VAC			
INPUT	EFFICIENCY (Typ.)	78%	74%	75%	76%	82%	75%	77%	80%	84%	78%	81%	83%
	DC CURRENT (Typ.)	9.7A/12V				10.4A/12V						2.4A/48V	
	INRUSH CURRENT (Typ.)	D:18A/96											
	LEAKAGE CURRENT	<0.75mA/120VAC(SD-100D)											
PROTECTION		105 ~ 135% rated output power											
	OVERLOAD	Protection type: Hiccup mode, recovers automatically after fault condition is removed											
		5.75 ~ 6.75V/10% load   16.8 ~ 20V/10% load   31.5 ~ 37.5V   31.5 ~ 37.5V/10% load									ad		
	OVER VOLTAGE	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 & EMC (Note 4)	SAFETY STANDARDS	TUV EN62368-1(for D type only), IEC62368-1 CB approved by TUV (for D type only), EAC TP TC 004 approved											
	WITHSTAND VOLTAGE	I/P-O/P:1.5KVAC I/P-FG:1.5KVAC 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 EN55032 (CISPR32) Class B, EAC TP TC 020											
	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,6,8, light industry level, criteria A, EAC TP TC 020											
OTHERS	MTBF	399.9K hrs min.(SD-100A) 356.7K hrs min.(SD-100B) 355.5K hrs min.(SD-100C) 341.9K Hrs min.(SD-100D) MIL-HDBK-217F (2									17F (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 consided a 360mm*360mm metal plate perform these EMC tests, p.	Ally mentioned are measured at 12,24,48,96VDC input, rated load and 25°C of ambient temperature.  The dealth of bandwidth by using a 12" twisted pair-wire terminated with a 0.1 of & 47 of parallel capacitor.  The tolerance, line regulation and load regulation.  The tolerance, line regulation and load regulation.  The tolerance a component which will be installed into a final equipment. All the EMC tests are been executed by mounting the unit on attention that the 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."  The tolerance are the testing of component power supplies."  The tolerance are the testing of component power supplies."											

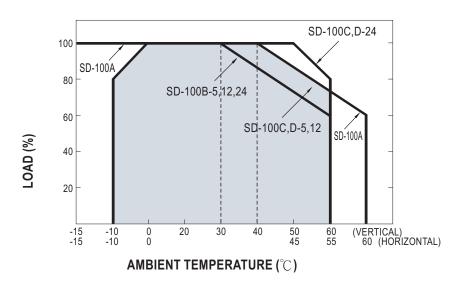




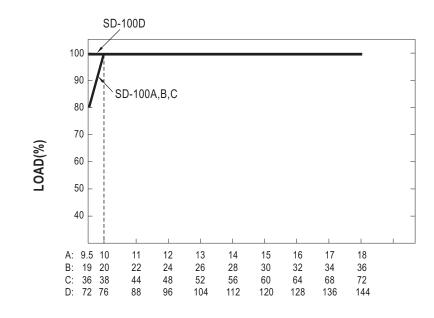
File Name:SD-100-SPEC 2020-07-06







## ■ Output Derating VS Input Voltage



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