



Features:

- 2:1 wide input range
- Protections:Short circuit/Over load/Over voltage/Over temperature
- 1500VDC I/O isolation
- Forced air cooling by built-in DC Fan
- 100% full load burn-in test
- 24V and 48V input voltage design refer to LVD
- 2 years warranty

SPECIFICATION

CB(for D type only) (€

MODEL		SD-350B				SD-350C					
	DC VOLTAGE	5V	12V	24V	48V	5V	12V	24V	48V		
ОИТРИТ	RATED CURRENT	57A	27.5A	14.6A	7.3A	60A	27.5A	14.6A	7.3A		
	CURRENT RANGE	0 ~ 57A	0 ~ 27.5A	0 ~ 14.6A	0 ~ 7.3A	0 ~ 60A	0 ~ 27.5A	0 ~ 14.6A	0~7.3A		
	RATED POWER	285W	330W	350.4W	350.4W	300W	330W	350.4W	350.4W		
	RIPPLE & NOISE (max.) Note.2	100mVp-p	120mVp-p	150mVp-p	200mVp-p	100mVp-p	120mVp-p	150mVp-p	200mVp-p		
	VOLTAGE ADJ. RANGE	4.5 ~ 5.5VDC	11 ~ 16VDC	23 ~ 30VDC	43 ~ 53VDC	4.5 ~ 5.5VDC	11 ~ 16VDC	23 ~ 30VDC	43 ~ 53VDC		
	VOLTAGE TOLERANCE Note.3	±2.0%	±1.0%	±1.0%	±1.0%	±2.0%	±1.0%	±1.0%	±1.0%		
	LINE REGULATION	±0.5%	±0.3%	±0.2%	±0.2%	±0.5%	±0.3%	±0.2%	±0.2%		
	LOAD REGULATION	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%		
	SETUP, RISE TIME	300ms, 50ms at full load									
	VOLTAGE RANGE	B:19 ~ 36VDC									
INPUT	EFFICIENCY (Typ.)	74%	80%	80%	84%	76%	81%	81%	82%		
	DC CURRENT (Typ.)	14.4A/24V	16A/24V	17.6A/24V	17.6A/24V	7.6A/48V	8.8A/48V	9.0A/48V	9.0A/48V		
	INRUSH CURRENT (Typ.)	C:45A/48VDC D:45A/96VDC									
	OVER LOAD	105 ~ 135% rated output power									
PROTECTION		Protection type: Shut down o/p voltage, re-power on to recover									
	OVER VOLTAGE	5.75 ~ 6.75V	16.8 ~ 20V	31.5 ~ 37.5V	53 ~ 65V	5.75 ~ 6.75V	16.8 ~ 20V	31.5 ~ 37.5V	53 ~ 65V		
		Protection type: Shut down o/p voltage, re-power on to recover									
	OVER TEMPERATURE	95°C ±5°C (TSW1) Detect on main power transistor									
		Protection type: Shut down o/p voltage, recovers automatically after temperature goes down									
ENVIRONMENT	WORKING TEMP.	-20 ~ +60°C (Refer to output load derating curve)									
	WORKING HUMIDITY	20 ~ 90% RH non-condensing									
	STORAGE TEMP., HUMIDITY	-40 ~ +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									
SAFETY & EMC (Note 4)	SAFETY STANDARDS	IEC60950-1 CB Approved by TUV (for D type only)									
	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									
	EMI CONDUCTION & RADIATION	Compliance to EN55022 (CISPR22) Class B									
	EMS IMMUNITY	Compliance to EN61000-4-2,3,4,6,8; ENV50204 Light industry level, criteria A									
OTHERS	MTBF	209.4K hrs min. MIL-HDBK-217F (25°C)									
	DIMENSION	215*115*50mm (L*W*H)									
	PACKING	1.1Kg; 12pcs/14.4Kg/0.92CUFT									
NOTE	2. Ripple & noise are measure3. Tolerance : includes set up	cially mentioned are measured at 24,48,96VDC input, rated load and 25°C of ambient temperature. Sured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. up tolerance, line regulation and load regulation. sidered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets									





Features:

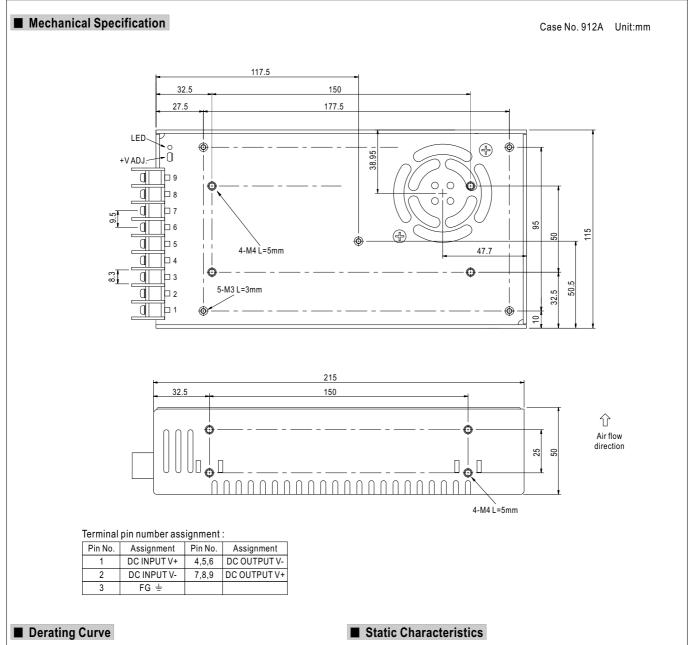
- 2:1 wide input range
- Protections:Short circuit/Over load/Over voltage/Over temperature
- 1500VDC I/O isolation
- Forced air cooling by built-in DC Fan
- 100% full load burn-in test
- 24V(B) and 48V(C) input voltage design refer to LVD
- 2 years warranty

SPECIFICATION

CB(for D type only) (€

MODEL		SD-350D							
	DC VOLTAGE	5V	12V	24V	48V				
ОИТРИТ	RATED CURRENT	60A	29.2A	14.6A	7.3A				
	CURRENT RANGE	0 ~ 60A	0 ~ 29.2A	0 ~ 14.6A	0~7.3A				
	RATED POWER	300W	350.4W	350.4W	350.4W				
	RIPPLE & NOISE (max.) Note.2	100mVp-p	120mVp-p	150mVp-p	200mVp-p				
	VOLTAGE ADJ. RANGE	4.5 ~ 5.5VDC	11 ~ 16VDC	23 ~ 30VDC	43 ~ 53VDC				
	VOLTAGE TOLERANCE Note.3	±2.0%	±1.0%	±1.0%	±1.0%				
	LINE REGULATION	±0.5%	±0.3%	±0.2%	±0.2%				
	LOAD REGULATION	±1.0%	±1.0%	±1.0%	±1.0%				
	SETUP, RISE TIME	300ms, 50ms at full load							
INPUT	VOLTAGE RANGE	B:19 ~ 36VDC							
	EFFICIENCY (Typ.)	78%	83%	87%	89%				
	DC CURRENT (Typ.)	6A/96V	6A/96V	6A/96V	6A/96V				
	INRUSH CURRENT (Typ.)	C:45A/48VDC D:45A/96VDC							
PROTECTION	OVER LOAD	105 ~ 135% rated output power							
		Protection type : Shut down o/p voltage, re-power on to recover							
	OVER VOLTAGE	5.75 ~ 6.75V	16.8 ~ 20V	31.5 ~ 37.5V	53 ~ 65V				
		Protection type: Shut down o/p voltage, re-power on to recover							
	OVER TEMPERATURE	75°C±5°C (TSW1) Detect on main power transistor							
		Protection type: Shut down o/p voltage, recovers automatically after temperature goes down							
	WORKING TEMP.	-20 ~ +60 °C (Refer to output load derating curve)							
	WORKING HUMIDITY	20 ~ 90% RH non-condensing							
ENVIRONMENT	STORAGE TEMP., HUMIDITY	-40 ~ +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							
SAFETY &	SAFETY STANDARDS	IEC60950-1 CB Approved by TUV (for D type only)							
	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							
(Note 4)	EMI CONDUCTION & RADIATION	Compliance to EN55022 (CISPR22) Class B							
•	EMS IMMUNITY	Compliance to EN61000-4-2,3,4,6,8; ENV50204 Light industry level, criteria A							
OTHERS	MTBF	209.4K hrs min. MIL-HDBK-217F (25°ℂ)							
	DIMENSION	215*115*50mm (L*W*H)							
	PACKING	1.1Kg; 12pcs/14.4Kg/0.92CUFT							
NOTE	 Ripple & noise are measure Tolerance : includes set up 	ially mentioned are measured at 24,48,96VDC input, rated load and 25°C of ambient temperature. Ired at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. p tolerance, line regulation and load regulation. Idered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets							





Ta=25°C 100 100 80 80 SD-350B,C,D-5 60 70 LOAD (%) LOAD (%) 60 40 50 20 40 B:19 C:36 D:72 30 40 (HORIZONTAL) AMBIENT TEMPERATURE (°C) INPUT VOLTAGE (V)