



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

(for 24V and 48V input type)

SPECIFICATION

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									
INPUT	VOLTAGE RANGE	B:19 ~ 36VDC									
	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	8.6A/48V	8.6A/48V		
	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	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%/℃ (0 ~ 50°C)									
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes									
SAFETY & EMC (Note 4)	SAFETY STANDARDS	24V and 48V input design refer to LVD									
	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 heavy 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	Ily 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. The final equipment must be re-confirmed that it still meets									

4. The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives.





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- 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

MODEL		SD-350D								
	DC VOLTAGE	5V	12V	24V	48V					
OUTPUT	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.)	4A/96V	4.4A/96V	4.2A/96V	4.2A/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 STANDARDS	24V and 48V input design refer to LVD								
0.4.5.5.7.4.0	WITHSTAND VOLTAGE	I/P-O/P:1.5KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC								
SAFETY & EMC (Note 4)	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 heavy 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 	ers NOT specially mentioned are measured at 24,48,96VDC input, rated load and 25°C of ambient temperature. ise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. includes set up tolerance, line regulation and load regulation. supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets wes.								



