



■ Features :

- AC input 180~264VAC only
- 130% peak load capability
- 110mm slim design
- Built-in active PFC function compliance to EN61000-3-2
- High efficiency 94% and low power dissipation
- Protections: Short circuit / Overload / Over voltage / Over temperature
- Cooling by free air convection
- Built-in constant current limiting circuit
- Can be installed on DIN rail TS-35/7.5 or 15
- UL508(industrial control equipment)approved
- EN61000-6-2(EN50082-2) industrial immunity level
- Current sharing up to 3840W(3+1)
- Built-in DC OK relay contact
- 100% full load burn-in test
- 3 years warranty

SPECIFICATION



MODEL		SDR-960-24	SDR-960-48	
	DC VOLTAGE	24V	48V	
ОИТРИТ	RATED CURRENT	40A	20A	
	CURRENT RANGE	0~40A	0~20A	
	RATED POWER	960W	960W	
	PEAK CURRENT	52A	26A	
	PEAK POWER Note.6	3 1248W (3sec.)		
	RIPPLE & NOISE (max.) Note.2	180mVp-p	250mVp-p	
	VOLTAGE ADJ. RANGE	24 ~ 28V	48 ~ 55V	
	VOLTAGE TOLERANCE Note.3	±1.0%	±1.0%	
	LINE REGULATION	±0.5%	±0.5%	
	LOAD REGULATION	±1.0%	±1.0%	
	SETUP, RISE TIME	1000ms, 100ms/230VAC at full load		
	HOLD UP TIME (Typ.)	14ms / 230VAC at full load		
INPUT	VOLTAGE RANGE Note.7	180 ~ 264VAC 254 ~ 370VDC		
	FREQUENCY RANGE	47 ~ 63Hz		
	POWER FACTOR (Typ.)	PF≧0.95/230VAC at full load		
	EFFICIENCY (Typ.)	94%	94%	
	AC CURRENT (Typ.)	6A/230VAC		
	INRUSH CURRENT (Typ.)	COLD START 50A / 230VAC		
	LEAKAGE CURRENT	<3.5mA / 240VAC		
PROTECTION FUNCTION ENVIRONMENT		Normally works within 105 ~ 130% rated output power for more than 3 seconds and then shut down o/p voltage with auto-recovery		
	OVERLOAD	after 30 seconds if the peak load condition is removed		
		Constant current limiting within 130 ~ 150% rated output power for more than 3 seconds and then shut down o/p voltage, re-power		
		on to recover		
	OVER VOLTAGE	29 ~ 33V	56 ~ 65V	
		Protection type: Shut down o/p voltage, with auto-recovery or re-		
	OVER TEMPERATURE	90°C ±5°C (TSW) detect on heatsink of power switch		
		Protection type: Shut down o/p voltage, recovers automatically after temperature goes down		
	DC OV DEALY CONTACT DATINGS (may)	60Vdc/0.3A, 30Vdc/1A, 30Vac/0.5A resistive load		
	DC OK REALY CONTACT RATINGS (max.) CURRENT SHARING	Please refer to function manual		
		-30 ~ +70°C (Refer to "Derating Curve")		
	WORKING TEMP. Note.5 WORKING HUMIDITY	20 ~ 95% RH non-condensing		
	STORAGE TEMP., HUMIDITY	-40 ~ +85°C, 10 ~ 95% RH		
	TEMP. COEFFICIENT			
	VIBRATION	±0.03%/°C (0 ~ 50°C) Component:10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes; Mounting: Compliance to IEC60068-2-6		
	SAFETY STANDARDS	UL508, TUV EN60950-1 approved		
CAFETY	WITHSTAND VOLTAGE	I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC O/P-DC OK:0.5KVAC		
SAFETY &	ISOLATION RESISTANCE			
EMC (Note 4)	EMC EMISSION Note.8	I/P-O/P, I/P-FG, O/P-FG:>100M Ohms / 500VDC / 25°C / 70% RH Compliance to ENES022 (CISDP22) ENEX1204 3 Conduction class R. Padiation class A. ENEX1000 3 2 3		
	EMC IMMUNITY	response to the second		
OTHERS		Compliance to EN61000-4-2,3,4,5,6,8,11, EN55024, EN61000-6-2 (EN50082-2), EN61204-3, heavy industry level, criteria A		
	MTBF DIMENSION	69.8K hrs min. MIL-HDBK-217F (25°C)		
		110*125.2*150mm (W*H*D)		
NOTE	Ripple & noise are measure Tolerance : includes set up The power supply is consid EMC directives. Installation clearances : 40r In case the adjacent device 3 seconds peak power max	2.47Kg; 6pcs/15.8Kg/1.55CUFT ally mentioned are measured at 230VAC 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. o tolerance, line regulation and load regulation. dered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets mm on top, 20mm on the bottom, 5mm on the left and right side are recommended when loaded permanently with full power. e is a heat source, 15mm clearance is recommended. x. and the average output power should not exceed the rate power. Inder low input voltage. Please check the derating curve for more details.		

- Consult MEAN WELL for deployment of Radiation class B.







