

Phone: (800) 392-6318 | www.bravoelectro.com | sales@bravoelectro.com





■ Features :

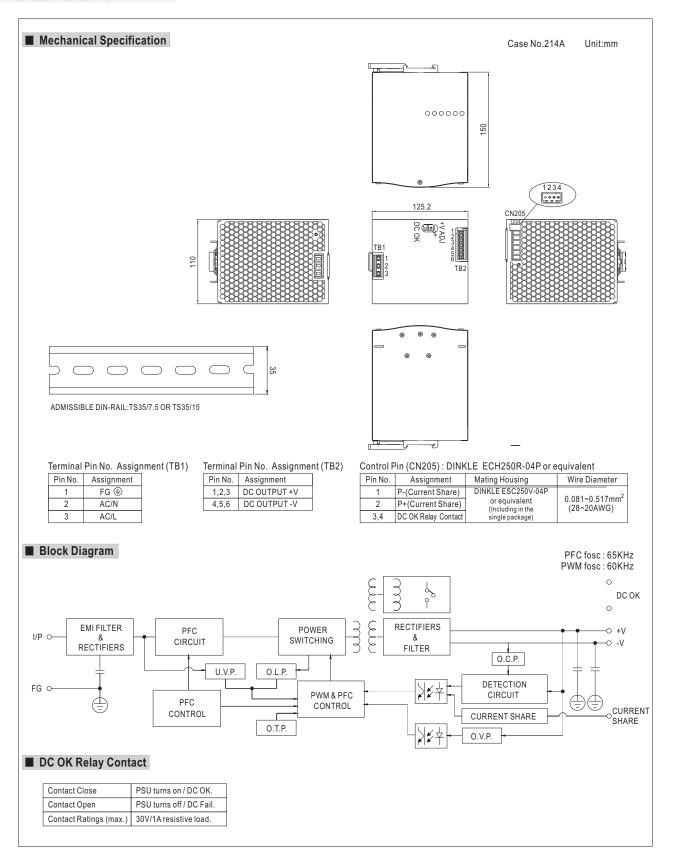
- AC input 180~264VAC only
- 130% peak load capability
- 110mm slim design
- Built-in active PFC function compliance to EN61000-3-2
- High efficiency 94% and low power dissipation
- Protections: Short circuit / Overload / Over voltage / Over temperature
- Cooling by free air convection
- Built-in constant 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

	(Parallel) (R) c(VL) us (A) E CB(6
ECIFICATION	

MODEL		SDR-960-24	SDR-960-48	
	DC VOLTAGE	24V	48V	
	RATED CURRENT	40A	20A	
	CURRENT RANGE	0 ~ 40A	0 ~ 20A	
ОИТРИТ	RATED POWER	960W	960W	
	-			
	PEAK CURRENT	52A	26A	
		1248W (3sec.)	less v	
	RIPPLE & NOISE (max.) Note.2		250mVp-p	
	VOLTAGE ADJ. RANGE	24 ~ 28V	48 ~ 55V	
	VOLTAGE TOLERANCE Note.3		±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		
	VOLTAGE RANGE Note.7	ote.7 180 ~ 264VAC 254 ~ 370VDC		
	FREQUENCY RANGE	47 ~ 63Hz		
	POWER FACTOR (Typ.)	PF ≥ 0.95/230VAC at full load		
INPUT	EFFICIENCY (Typ.)	94%	94%	
INFO	AC CURRENT (Typ.)	6A/230VAC		
	INRUSH CURRENT (Typ.)	COLD START 50A / 230VAC		
	LEAKAGE CURRENT	<3.5mA / 240VAC		
	ELANGE CONNENT	Normally works within 105 ~ 130% rated output power for more than 3 seconds and then shut down o/p voltage with auto-recover		
		after 30 seconds if the peak load condition is removed		
	OVERLOAD 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.			
PROTECTION			FC CFV	
	OVER VOLTAGE 29 ~ 33V		56 ~ 65V	
	Protection type : Shut down o/p voltage, with			
	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		
FUNCTION	DC OK REALY CONTACT RATINGS (max.)	60Vdc/0.3A, 30Vdc/1A, 30Vac/0.5A resistive load		
	CURRENT SHARING	Please refer to function manual		
ENVIRONMENT	WORKING TEMP. Note.5	-30 ~ +70°C (Refer to "Derating Curve")		
	WORKING HUMIDITY	20 ~ 95% RH non-condensing		
	STORAGE TEMP., HUMIDITY	-40 ~ +85°C, 10 ~ 95% RH		
	TEMP. COEFFICIENT	±0.03%/°C (0~50°C)		
	VIBRATION	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		
SAFETY &	WITHSTAND VOLTAGE	I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC O/P-DC OK:0.5KVAC		
EMC	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:>100M Ohms / 500VDC /	25℃/70% RH	
(Note 4)	EMC EMISSION Note.8		Conduction class B, Radiation class A, EN61000-3-2,-3	
	EMC IMMUNITY		I, EN61000-6-2 (EN50082-2), EN61204-3, heavy industry level, criteria A	
OTHERS	MTBF	69.8K hrs min. MIL-HDBK-217F (25°C)		
	DIMENSION	110*125.2*150mm (W*H*D)		
	PACKING	2.47Kg; 6pcs/15.8Kg/1.55CUFT		
NOTE	1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. 2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.			
	 Tolerance: includes set up tolerance, line regulation and load regulation. 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. Installation clearances: 40mm on top, 20mm on the bottom, 5mm on the left and right side are recommended when loaded permanently with full power. 			
	In case the adjacent device 6. 3 seconds peak power max	is a heat source, 15mm clearance is recommend. and the average output power should not excee	ded. ded.	
	/ Derating may be needed ur	Derating may be needed under low input voltage. Please check the derating curve for more details. Consult MEAN WELL for deployment of Radiation class B.		

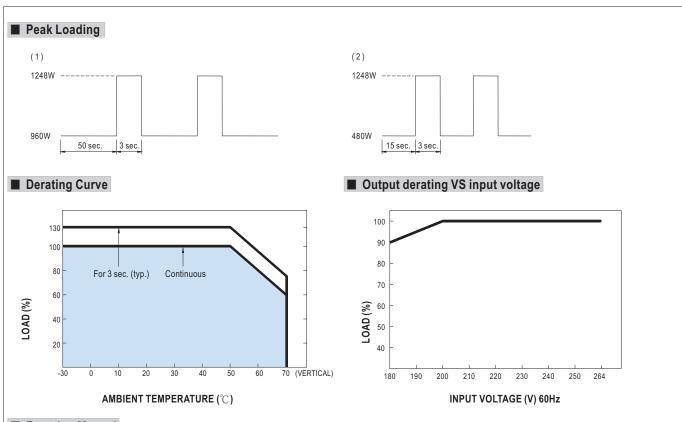


Phone: (800) 392-6318 | www.bravoelectro.com | sales@bravoelectro.com





Phone: (800) 392-6318 | www.bravoelectro.com | sales@bravoelectro.com



■ Function Manual

- 1. Current sharing
- (1) Parallel operation is available by connecting the units shown as below (P+,P- are connected mutually in parallel).
- (2) Difference of output voltages among parallel units should be less than 0.2V.
- (3) The total output current must not exceed the value determined by the following equation (Output current at parallel operation)=(The rated current per unit) x (Number of unit) x 0.9.
- (4) In parallel operation 4 units is the maximum, please consult the manufacture for other applications.
- (5) The power supplies should be paralleled using short and large diameter wiring and then connected to the load.
- (6) When in parallel operation, the minimum output load should be greater than 5% of total output load.
- (Min. load >5% rated current per unit x number of unit)
- $(7) \ \ ln \ parallel \ connection, \ may be \ only \ one \ unit \ (master) \ operate \ if the \ total \ output \ load \ is \ less \ than \ 5\% \ of \ rated \ load \ condition.$

The other PSUs (slaves) may go into standby mode and their output LEDs & relays will not turn on.

 $(8) Some \ minor \ noise \ may \ be \ heard \ at \ light \ load \ condition \ under \ parallel \ operation.$

This is a normal phenomenon and the performance of the PSU will not be influenced.

