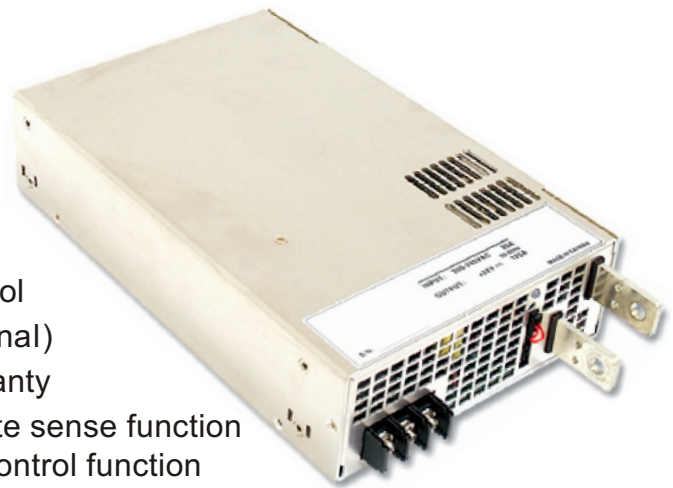


SMR-SP3000 3000W with PFC and Parallel Function **PRETA**

Features

- AC input active surge current limiting
- AC input 180 ~ 264VAC
- Built-in active PFC function, PF > 0.95
- High efficiency up to 90%
- High Power density 15.6w/inch³
- Built-in 12V/0.1A auxiliary output for remote control
- Alarm signal output (relay contact and TTL signal)
- Current sharing up to 2 units
- 3 years warranty
- Built-in remote ON-OFF control
- Built-in remote sense function
- Forced air cooling by built-in DC with fan speed control function
- Output voltage can be trimmed between 20~110% of the rated output voltage
- Protections : Short circuit / Overload / Over voltage / Over temp / Fan alarm



Specifications

TYPE		SMR-SP3000-12	SMR-SP3000-24	SMR-SP3000-48
OUTPUT	DC VOLTAGE	12V	24V	48V
	RATED CURRENT	200A	125A	62.5A
	CURRENT RANGE	0 ~ 240A	0 ~ 125A	0 ~ 62.5A
	RATED POWER	2400W	3000W	3000W
	RIPPLE & NOISE (max.) Note.2	150mVp-p	150mVp-p	200mVp-p
	VOLTAGE ADJ. RANGE	10.8 ~ 13.2V	22 ~ 28V	43 ~ 56V
	VOLTAGE TOLERANCE Note.3	± 1.0%	± 1.0%	± 1.0%
	LINE REGULATION	± 0.5%	± 0.5%	± 0.5%
	LOAD REGULATION	± 0.5%	± 0.5%	± 0.5%
	SETUP, RISE TIME	1000ms, 80ms at full load		
HOLD UP TIME (Typ.)	10ms at full load			
INPUT	VOLTAGE RANGE	180~ 264VAC 254 ~ 370VDC		
	FREQUENCY RANGE	47 ~ 63Hz		
	POWER FACTOR (Typ.)	0.95/230VAC at full load		
	EFFICIENCY (Typ.)	86%	90%	90.5%
	AC CURRENT (Typ.)	20A/180VAC 16A/230VAC		
	INRUSH CURRENT (Typ.)	60A/230VAC		
LEAKAGE CURRENT	<2.0mA/240VAC			
PROTECTION	OVER LOAD	100 ~ 110% rated output power User adjustable continuous constant current limiting or constant current limiting with delay shutdown after 5 seconds, re-power on to recover		
	OVER VOLTAGE	13.8 ~ 16.8V	28.8 ~ 33.6V	57.6 ~ 67.2V
	OVER TEMPERATURE	90 ± 5 (12V), 110 ± 5 (24V), 105 ± 5 (48V) (TSW1 : detect on heatsink of power transistor) 90 ± 5 (12V), 85 ± 5 (24V), 75 ± 5 (48V) (TSW2 : detect on heatsink of O/P diode)		
FUNCTION	AUXILIARY POWER (AUX)	12V@ 0.1A (Only for Remote ON/OFF control)		
	REMOTE ON/OFF CONTROL	Please see the Function Manual		
	DC OK SIGNAL	Please see the Function Manual		
	OUTPUT VOLTAGE TRIM	2.4 ~ 13.2V	4.8 ~ 28V	9.6 ~ 56V
	CURRENT SHARING	Please see the Function Manual		
ENVIRONMENT	WORKING TEMP., HUMIDITY	-20 ~ +70 (Refer to output load derating curve) 20 ~ +90% RH non-condensing		
	STORAGE TEMP., HUMIDITY	-40 ~ +85 , 10~95% RH		
	TEMP. COEFFICIENT	± 0.05%/ (0 ~ 50)		
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes		
SAFETY (Note.4)	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG : 100M Ohms / 500VDC / 25 / 70% RH		
	WITHSTAND VOLTAGE	I/P-O/P : 3KVAC I/P-FG : 1.5KVAC O/P-FG : 0.5KVAC		
OTHERS	MTBF	104.5Khrs min. MIL-HDBK-217F (25)		
	DIMENSION	278 x 177.8 x 63.5mm (L x W x H)		
	PACKING	4Kg; 4pcs/16Kgs/1.89CUFT		
NOTE	1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25 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. 3. Tolerance : includes set up tolerance, line regulation and load regulation. 4. The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that is still meets EMC directives.			