



#### ■ Features :

- Universal AC input / Full range
- Built in active PFC function, PF>0.95
- \* Protections: Short circuit / Overload / Over voltage / Over temperature
- Forced air cooling by built-in DC fan
- High power density 5.18w/in<sup>3</sup>
- Low profile:43mm thickness
- Built-in remote ON-OFF control
- · Built-in remote sense function
- · Active AC surge current limiting
- 3 years warranty

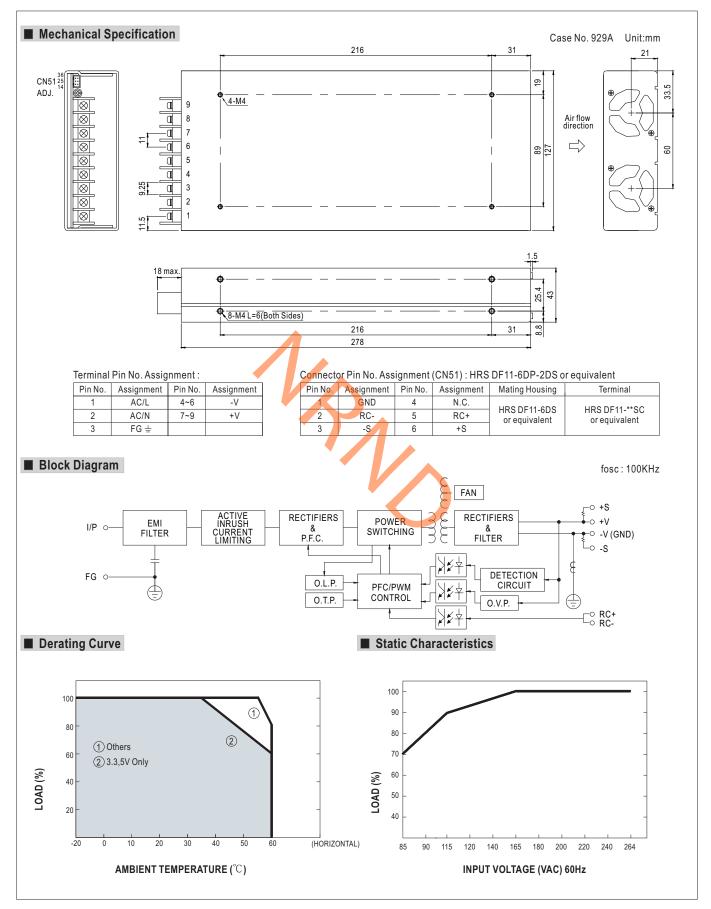
#### CDECIFICATION



MODEL		SP-480-3.3	SP-480-5	SP-480-12	SP-480-15	SP-480-24	SP-480-48
ОИТРИТ	DC VOLTAGE	3.3V	5V	12V	15V	24V	48V
	RATED CURRENT	85A	85A	40A	32A	20A	10A
	CURRENT RANGE	0 ~ 85A	0 ~ 85A	0 ~ 43A	0 ~ 35A	0 ~ 22A	0 ~ 11A
	RATED POWER	280.5W	425W	480W	480W	480W	480W
	PEAK LOAD(10min.) Note.5	280.5W	425W	516W	525W	528W	528W
	RIPPLE & NOISE (max.) Note.2	80mVp-p	80mVp-p	120mVp-p	150mVp-p	150mVp-p	240mVp-p
	VOLTAGE ADJ. RANGE	2.9 ~ 3.6V	4.5 ~ 5.5V	10.8 ~ 13.2V	13.5 ~ 18V	22 ~ 27.6V	41~ 56V
	VOLTAGE TOLERANCE Note.3	±2.0%	±2.0%	±1.5%	±1.5%	±1.0%	±1.0%
	LINE REGULATION	±0.5%	±0.5%	±0.3%	±0.3%	±0.2%	±0.2%
	LOAD REGULATION	±1.0%	±1.0%	±0.5%	±0.5%	±0.5%	±0.5%
	SETUP, RISE TIME	1000ms, 80ms/230VAC 2500ms, 80ms/115VAC at full load					
	HOLD UP TIME (Typ.)	18ms/230VAC 18ms/115VAC at full load					
INPUT	VOLTAGE RANGE Note.6	85 ~ 264VAC 120 ~ 370VDC					
	FREQUENCY RANGE	47 ~ 63Hz					
	POWER FACTOR (Typ.)	PF>0.95/230VAC PF>0.98/115VAC at full load					
	EFFICIENCY (Typ.)	74%	79%	85%	85%	88%	89%
	AC CURRENT (Typ.)	6.5A/115VAC 3.5A/230VAC					
	INRUSH CURRENT (Typ.)	20A/115VAC 40A/230VAC					
	LEAKAGE CURRENT	<2mA / 240VAC					
PROTECTION	OVERLOAD	87 ~ 103A	87 ~ 103A	45.15 ~ 58.05A	36.75 ~ 47.25A	23.1 ~ 29.7A	11.55 ~ 14.85A
		Protection type: Constant current limiting, recovers automatically after conditions is removed					
	OVER VOLTAGE	3.8 ~ 4.45V	5.75 ~ 6.75V	13.8 ~ 16.2V	18 ~ 21V	28.8 ~ 33.6V	57.6 ~ 67.2V
		Protection type : SI	nut down o/p voltage	, re-power on to recove	r	'	
	OVER TEMPERATURE Note.4 Shut down o/p voltage, recovers automatically after temperature goes down						
UNCTION	REMOTE CONTROL	RC+/RC-: 0 ~ 0.8V=power on ; 4 ~ 10V=power off					
ENVIRONMENT	WORKING TEMP.	-20 ~ +60°C (Refer to "Derating Curve")					
	WORKING HUMIDITY	20 ~ 90% RH non-condensing					
	STORAGE TEMP., HUMIDITY	-40 ~ +85°C, 10 ~ 95% RH non-condensing					
	TEMP. COEFFICIENT	±0.03%/°C (0~50°C)					
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes					
SAFETY & EMC (Note 7)	SAFETY STANDARDS	UL60950-1, TUV EN60950-1 approved					
	WITHSTAND VOLTAGE	I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:Short					
	ISOLATION RESISTANCE	I/P-O/P, I/P-FG:100M Ohms / 500VDC / 25°C / 70% RH					
	EMC EMISSION	Compliance to EN55032 (CISPR32) Class B, EN61000-3-2,-3					
	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, EN61000-6-2 (EN50082-2), light industry level, criteria A					
OTHERS	MTBF	120.5K hrs min. MIL-HDBK-217F (25°C)					
	DIMENSION	278*127*43mm (L*W*H)					
	PACKING	1.7Kg; 6pcs/11.3Kg/0.67CUFT					
NOTE	Ripple & noise are measure  Tolerance : includes set up  TSW1: Detect on heatsink of TSW2: Detect on heatsink of TSW2: Detect on heatsink of the set of th						

- 5. 33% Duty cycle maximum within every 30 minute. Average output power should not exceed the rated power.
  6. Derating may be needed under low input voltages. Please check the derating curve for more details.
  7. The power supply is considered a component which will be installed into a final equipment. All the EMC tests are been executed by mounting the unit on a 360mm\*360mm metal plate with 1mm of thickness. The final equipment must be re-confirmed that it still meets EMC directives. For guidance on how to perform these EMC tests, please refer to "EMI testing of component power supplies." (as available on http://www.meanwell.com)
  8. The ambient temperature derating of 3.5°C/1000m with fanless models and of 5°C/1000m with fan models for operating altitude higher than 2000m(6500ft).

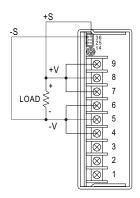






# **■** Control Terminal Instruction Manual

# Remote Sensing



### Remote Control

Power on : V is  $0 \sim 0.8V$ Power off : V is  $4 \sim 10V$ 

