



Features:

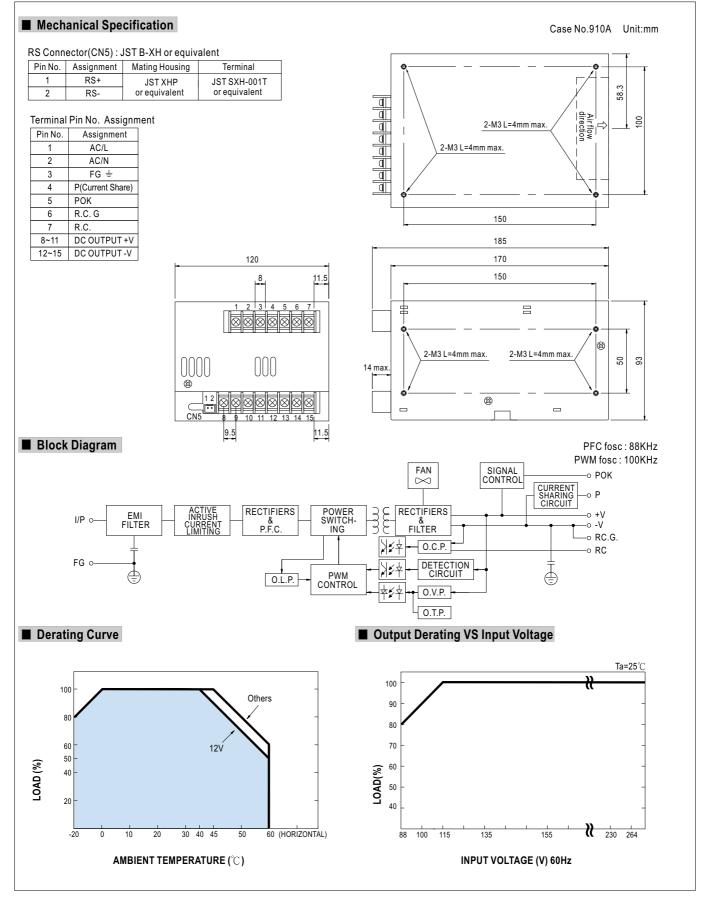
- Universal AC input / Full range
- Built-in active PFC function
- Protections: Short circuit / Overload / Over voltage / Over temperature
- Forced air cooling by built-in DC fan
- With DC OK Signal output
- Current sharing up to 2400W(3+1)
- Built-in remote ON-OFF control
- Built-in remote sense function
- Fixed switching frequency at PFC:88KHz PWM:100KHz
- 3 years warranty

SPECIFICATION



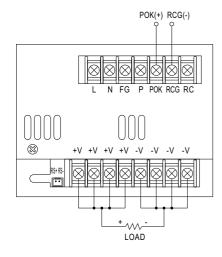
OUTPUT V L L S H	DC VOLTAGE RATED CURRENT CURRENT RANGE RATED POWER RIPPLE & NOISE (max.) Note.2 VOLTAGE ADJ. RANGE VOLTAGE TOLERANCE Note.3 LINE REGULATION LOAD REGULATION SETUP, RISE TIME HOLD UP TIME (Typ.) VOLTAGE RANGE NOTE.5 FREQUENCY RANGE POWER FACTOR (Typ.) EFFICIENCY(Typ.)	4.75 ~ 5.5V ±2.0% ±0.5% ±1.0% 1500ms, 50ms at 20ms at full load	12V 50A 0 ~ 50A 600W 240mVp-p 10 ~ 13.2V ±1.0% ±0.5% ±0.5% full load	13.5V 44.5A 0 ~ 44.5A 600W 240mVp-p 12 ~ 15V ±1.0% ±0.5%	15V 40A 0 ~ 40A 600W 240mVp-p 13.5 ~ 18V ±1.0% ±0.5%	24V 25A 0 ~ 25A 600W 240mVp-p 20 ~ 26.4V ±1.0% ±0.5%	27V 22.2A 0 ~ 22.2A 600W 240mVp-p 24 ~ 30V ±1.0%	48V 12.5A 0 ~ 12.5A 600W 300mVp-p 41 ~ 56V ±1.0%			
OUTPUT V L L S H	CURRENT RANGE RATED POWER RIPPLE & NOISE (max.) Note.2 VOLTAGE ADJ. RANGE VOLTAGE TOLERANCE Note.3 LINE REGULATION LOAD REGULATION SETUP, RISE TIME HOLD UP TIME (Typ.) VOLTAGE RANGE POWER FACTOR (Typ.)	0 ~ 80A 400W 180mVp-p 4.75 ~ 5.5V ±2.0% ±0.5% ±1.0% 1500ms, 50ms at 20ms at full load 88 ~ 264VAC	0~50A 600W 240mVp-p 10~13.2V ±1.0% ±0.5%	0 ~ 44.5A 600W 240mVp-p 12 ~ 15V ±1.0% ±0.5%	0~40A 600W 240mVp-p 13.5~18V ±1.0%	0 ~ 25A 600W 240mVp-p 20 ~ 26.4V ±1.0%	0 ~ 22.2A 600W 240mVp-p 24 ~ 30V ±1.0%	0 ~ 12.5A 600W 300mVp-p 41 ~ 56V			
F F C C C C C C C C C C C C C C C C C C	RATED POWER RIPPLE & NOISE (max.) Note.2 VOLTAGE ADJ. RANGE VOLTAGE TOLERANCE Note.3 LINE REGULATION LOAD REGULATION SETUP, RISE TIME HOLD UP TIME (Typ.) VOLTAGE RANGE Note.5 FREQUENCY RANGE POWER FACTOR (Typ.)	400W 180mVp-p 4.75 ~ 5.5V ±2.0% ±0.5% ±1.0% 1500ms, 50ms at 20ms at full load 88 ~ 264VAC	600W 240mVp-p 10 ~ 13.2V ±1.0% ±0.5%	600W 240mVp-p 12 ~ 15V ±1.0% ±0.5%	600W 240mVp-p 13.5 ~ 18V ±1.0%	600W 240mVp-p 20 ~ 26.4V ±1.0%	600W 240mVp-p 24 ~ 30V ±1.0%	600W 300mVp-p 41 ~ 56V			
OUTPUT V L L S H	RIPPLE & NOISE (max.) Note.2 VOLTAGE ADJ. RANGE VOLTAGE TOLERANCE Note.3 LINE REGULATION LOAD REGULATION SETUP, RISE TIME HOLD UP TIME (Typ.) VOLTAGE RANGE Note.5 FREQUENCY RANGE POWER FACTOR (Typ.)	180mVp-p 4.75 ~ 5.5V ±2.0% ±0.5% ±1.0% 1500ms, 50ms at 20ms at full load 88 ~ 264VAC	240mVp-p 10 ~ 13.2V ±1.0% ±0.5% ±0.5%	240mVp-p 12 ~ 15V ±1.0% ±0.5%	240mVp-p 13.5 ~ 18V ±1.0%	240mVp-p 20 ~ 26.4V ±1.0%	240mVp-p 24 ~ 30V ±1.0%	300mVp-p 41 ~ 56V			
OUTPUT V L S H V F	VOLTAGE ADJ. RANGE VOLTAGE TOLERANCE Note.3 LINE REGULATION LOAD REGULATION SETUP, RISE TIME HOLD UP TIME (Typ.) VOLTAGE RANGE Note.5 FREQUENCY RANGE POWER FACTOR (Typ.)	4.75 ~ 5.5V ±2.0% ±0.5% ±1.0% 1500ms, 50ms at 20ms at full load 88 ~ 264VAC	10 ~ 13.2V ±1.0% ±0.5% ±0.5%	12 ~ 15V ±1.0% ±0.5%	13.5 ~ 18V ±1.0%	20 ~ 26.4V ±1.0%	24 ~ 30V ±1.0%	41 ~ 56V			
V L S F F	VOLTAGE TOLERANCE Note.3 LINE REGULATION LOAD REGULATION SETUP, RISE TIME HOLD UP TIME (Typ.) VOLTAGE RANGE Note.5 FREQUENCY RANGE POWER FACTOR (Typ.)	±2.0% ±0.5% ±1.0% 1500ms, 50ms at 20ms at full load 88 ~ 264VAC	±1.0% ±0.5% ±0.5%	±1.0% ±0.5%	±1.0%	±1.0%	±1.0%				
L S F F	LINE REGULATION LOAD REGULATION SETUP, RISE TIME HOLD UP TIME (Typ.) VOLTAGE RANGE Note.5 FREQUENCY RANGE POWER FACTOR (Typ.)	±0.5% ±1.0% 1500ms, 50ms at 20ms at full load 88 ~ 264VAC	±0.5% ±0.5%	±0.5%				±1.0%			
L S H V F	LOAD REGULATION SETUP, RISE TIME HOLD UP TIME (Typ.) VOLTAGE RANGE Note.5 FREQUENCY RANGE POWER FACTOR (Typ.)	±1.0% 1500ms, 50ms at 20ms at full load 88 ~ 264VAC	±0.5%		±0.5%	±0.5%		, 0			
S 	SETUP, RISE TIME HOLD UP TIME (Typ.) VOLTAGE RANGE Note.5 FREQUENCY RANGE POWER FACTOR (Typ.)	1500ms, 50ms at 20ms at full load 88 ~ 264VAC		±0.5%			±0.5%	±0.5%			
	HOLD UP TIME (Typ.) VOLTAGE RANGE Note.5 FREQUENCY RANGE POWER FACTOR (Typ.)	20ms at full load 88 ~ 264VAC	full load		±0.5%	±0.5%	±0.5%	±0.5%			
V F F	VOLTAGE RANGE Note.5 FREQUENCY RANGE POWER FACTOR (Typ.)	88 ~ 264VAC									
F	FREQUENCY RANGE POWER FACTOR (Typ.)			,							
F	POWER FACTOR (Typ.)	47 ~ 63Hz	88 ~ 264VAC 124 ~ 370VDC								
F	POWER FACTOR (Typ.)										
	(• . ,	0.95/230VAC	0.99/115VAC at fu	ıll load							
INPUI II		79%	84%	85%	85%	86%	86%	87%			
_	AC CURRENT (Typ.)	6.8A/115VAC	3.4A/230VAC								
_	INRUSH CURRENT (Typ.)	20A/115VAC 40A/230VAC									
-	LEAKAGE CURRENT	<1.3mA/240VAC									
	OVERLOAD	105 ~ 135% rated output power									
C			Constant current lin	niting, recovers au	tomatically after fa	ault condition is ren	noved				
-	OVER VOLTAGE	5.75 ~ 6.75V	13.8 ~ 16.2V	15.5 ~ 18.2V	18 ~ 21V	27.6 ~ 32.4V	31 ~ 36.5V	57.6 ~ 67.2V			
PROTECTION					1	2 02	01 00.01	01.0 01.EV			
INDILUTION	OVER TEMPERATURE	Protection type: Shut down o/p voltage, re-power on to recover +5V: 95°C (TSW1) detect on heatsink of power transistor; 95°C (TSW51) detect on heatsink of power diode									
		+12V ~ +48V: 85°C (TSW1) detect on heatsink of power transistor; 80°C (TSW51) detect on heatsink of power diode									
		Protection type: Shut down o/p voltage, re-power on to recover									
6	REMOTE CONTROL	RC+/RC-: Short = power on ; Open = power off									
FUNCTION \vdash	POK SIGNAL	PSU turn on: 3.3V ~ 5.6V									
	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%/°C (0~50°C)									
-	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes									
	SAFETY STANDARDS	UL60950-1, TUV EN60950-1 approved									
-	WITHSTAND VOLTAGE				`						
SAFFTV& -	ISOLATION RESISTANCE	/P-O/P:3KVAC /P-FG:1.5KVAC O/P-FG:0.5KVAC /P-O/P, /P-FG, O/P-FG:100M Ohms / 500VDC / 25°C/ 70% RH									
FMC -											
(Note 4) ⊢	EMI CONDUCTION & RADIATION	Compliance to EN55022 (CISPR22) Class B									
	HARMONIC CURRENT	Compliance to EN61000-3-2,-3 Compliance to EN61000-4-2,3,4,5,6,8,11; ENV50204, light industry level, criteria A									
	EMS IMMUNITY MTBF	•			igni maustry ieve	, спіена А					
_		116.4K hrs min.	MIL-HDBK-217F	(25 C)							
	DIMENSION	170*120*93mm (L									
	PACKING 1. All parameters NOT special	1.9Kg; 8pcs/15.5l	-	AC input, rated lo	ad and 25°C of a	mbient temperatur	e.				
NOTE	 Ripple & noise are measure Tolerance : includes set up The power supply is conside EMC directives. 	Ily mentioned are measured at 230VAC 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 under low input voltages. Please check the derating curve for more details.									

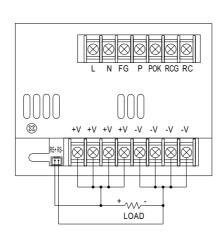


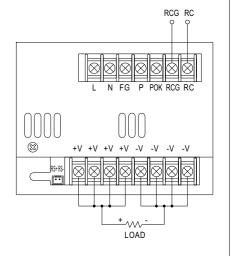




■ Control Terminal Instruction Manual







POK Signal

POK Signal is the voltage difference between "RCG" and "POK" pin output POK Signal for TTL level signal PSU turn on: 3.3V ~ 5.6V PSU turn off: 0V ~ 1V

Remote Control

Power ON: RCG and RC for short Power OFF: RCG and RC for open

■ Parallel Operation with Remote Sensing

- (1)Parallel operation is available by connecting the units shown as below (+S,-S and P are connected mutually in parallel):
- (2) The voltage difference among each output should be minimized that less than $\pm 2\%$ is required.
- (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.

Remote Sensing

- (4) In parallel operation 4 units is the maximum, please consult the manufacture for other applications.
- $(5) When \ remote \ sensing \ is \ used \ in \ parallel \ operation, the \ sensing \ wire \ must \ be \ connected \ only \ to \ the \ master \ unit.$
- (6) When in parallel operation, the minimum output load should be greater than 3% of total output load. (Min. load > 3% rated current per unit x number of unit)

