



### ■ Features :

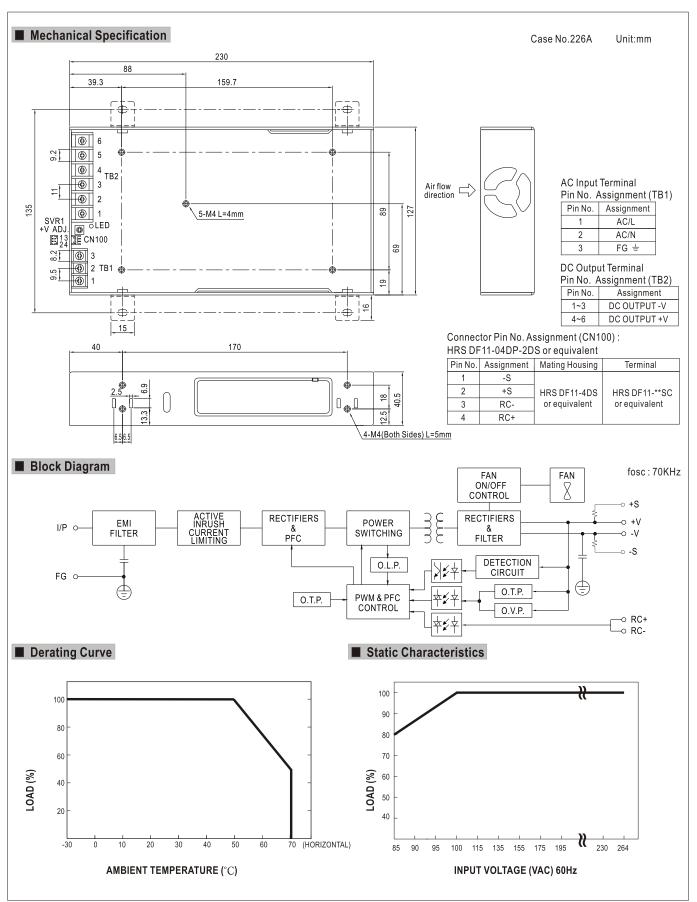
- Universal AC input / Full range
- Built-in active PFC function, PF>0.95
- Protections: Short circuit / Overload / Over voltage / Over temperature
- Forced air cooling by built-in DC Fan with fan ON-OFF control function
- 1U low profile 40.5mm
- High efficiency up to 90.5%
- Built-in remote ON-OFF control
- Built-in remote sense function
- LED indicator for power on
- 3 years warranty

## **SPECIFICATION**



RSP-500-24	RSP-500-27	RSP-500-48			
24V	27V	48V			
21A	18.6A	10.5A			
0 ~ 21A	0 ~ 18.6A	0 ~ 10.5A			
504W	502.2W	504W			
150mVp-p	150mVp-p	150mVp-p			
20 ~ 26.4V	26 ~ 30V	41 ~ 56V			
±1.0%	±1.0%	±1.0%			
±0.2%	±0.2%	±0.2%			
±0.5%	±0.5%	±0.5%			
1500ms, 80ms/230VAC 3000ms, 80ms/115VAC at full load					
89%	89.5%	90.5%			
0070	1 221270	100.070			
20A/115VAC 40A/230VAC <2mA/ 240VAC					
ondition is remo	noved				
27.6 ~ 32.4V	32.9 ~ 38.3V	58.4 ~ 68V			
27.0 02.11	02.0 00.01	00.1 001			
Protection type: Shut down o/p voltage, re-power on to recover  Shut down o/p voltage, recovers automatically after temperature goes down					
POWER ON:open or 0~0.8VDC between RC+(Pin 4)&RC-(Pin3) on CN100					
POWER OFF: 4~10VDC between RC+(Pin 4)&RC-(Pin3) on CN100					
REMOTE SENSE       Compensate voltage drop on the load wiring up to $0.3V$ FAN CONTROL (Typ.)       RTH2 $\leq$ 50°C $\pm$ 10°C Fan on ; RTH2 $\leq$ 40°C $\pm$ 10°C Fan off					
RTH2 $\geq$ 50°C $\pm$ 10°C Fan on; RTH2 $\leq$ 40°C $\pm$ 10°C Fan off					
-30 ~ +70°C (Refer to "Derating Curve")					
WORKING HUMIDITY 20 ~ 90% RH non-condensing  STORAGE TEMP., HUMIDITY -40 ~ +85°C, 10 ~ 95% RH					
±0.03%/°C (0~50°C)					
10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes  UL60950-1, TUV EN60950-1 approved					
3 heavy indust	stry level, criteria	ı A			
rs NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. se are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. Includes set up tolerance, line regulation and load regulation.  The provided by the provided set of th					
ui me	f & 47uf para	& 47uf parallel capacitor.  ent must be re-confirmed that			







# **■** Function Description of CN100

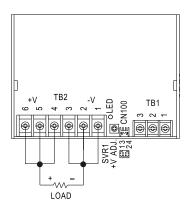
Pin No.	Function	Description
1		Negative sensing. The -S signal should be connected to the negative terminal of the load. The -S and +S leads should be twisted in pair to minimize noise pick-up effect. The maximum line drop compensation is 0.3V.
2		Positive sensing. The +S signal should be connected to the positive terminal of the load. The +S and -S leads should be twisted in pair to minimize noise pick-up effect. The maximum line drop compensation is 0.3V.
3	RC-	Return for RC+ signal input.
4	RC+	Turns the output on and off by electrical or dry contact between pin 4 (RC+) and pin 3 (RC-), 0~0.8VDC or open: Power ON, 4~10VDC; Power OFF.

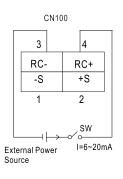
## **■** Function Manual

#### 1.Remote Control

The PSU can be turned ON/OFF by using the "Remote Control" function.

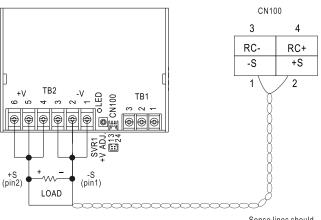
Between RC-(pin3) and RC+(pin4) on CN100	PSU Status
SW OFF (0 ~ 0.8VDC) or open	ON
SW ON (4 ~ 10V)	OFF





#### 2.Remote Sense

The remote sensing compensates voltage drop on the load wiring up to  $0.3\mbox{\ensuremath{V}}$ 



Sense lines should be twisted in pairs