



Features:

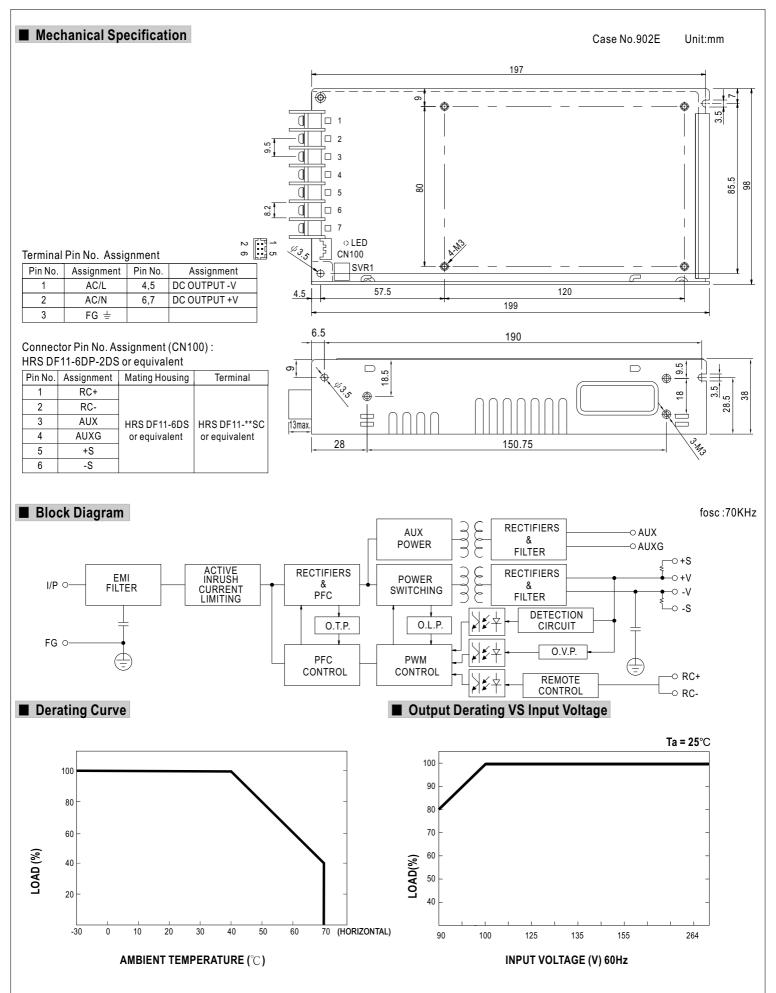
- Universal AC input / Full range
- Built-in active PFC function, PF>0.95
- High efficiency up to 89%
- Withstand 300VAC surge input for 5 seconds
- Protections: Short circuit / Overload / Over voltage / Over temperature
- · Cooling by free air convection
- · Built-in constant current limiting circuit
- 1U low profile 38mm
- · Built-in remote ON-OFF control
- Standby 5V@0.3A
- · Built-in remote sense function
- No load power consumption<0.5W (Note.6)
- 5 years warranty



MODEL		HRPG-200-3.3	HRPG-200-5	HRPG-200-7.5	HRPG-200-12	HRPG-200-15	HRPG-200-24	HRPG-200-36	HRPG-200-4	
	DC VOLTAGE	3.3V	5V	7.5V	12V	15V	24V	36V	48V	
	RATED CURRENT	40A	35A	26.7A	16.7A	13.4A	8.4A	5.7A	4.3A	
	CURRENT RANGE	0 ~ 40A	0 ~ 35A	0~26.7A	0 ~ 16.7A	0 ~ 13.4A	0 ~ 8.4A	0 ~ 5.7A	0 ~ 4.3A	
	RATED POWER	132W	175W	200.3W	200.4W	201W	201.6W	205.2W	206.4W	
	RIPPLE & NOISE (max.) Note.2	80mVp-p	90mVp-p	100mVp-p	120mVp-p	150mVp-p	150mVp-p	250mVp-p	250mVp-p	
OUTPUT	VOLTAGE ADJ. RANGE	2.8 ~ 3.8V	4.3 ~ 5.8V	6.8 ~ 9V	10.2 ~ 13.8V	13.5 ~ 18V	21.6 ~ 28.8V	28.8 ~ 39.6V	40.8 ~ 55.2V	
	VOLTAGE TOLERANCE Note.3	±2.0%	±2.0%	±2.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	
	LINE REGULATION	±0.5%	±0.5%	±0.5%	±0.3%	±0.3%	±0.2%	±0.2%	±0.2%	
	LOAD REGULATION	±1.5%	±1.0%	±1.0%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	
	SETUP, RISE TIME	1000ms, 50ms/230VAC 2500ms, 50ms/115VAC at full load								
	HOLD UP TIME (Typ.)	16ms/230VAC 16ms/115VAC at full load								
	, ,	85 ~ 264VAC	120 ~ 370VI	DC						
	FREQUENCY RANGE	47 ~ 63Hz								
	POWER FACTOR (Typ.)	PF>0.95/230V/	AC PF>0.9	9/115VAC at full	load					
INPUT	EFFICIENCY (Typ.)	80%	84%	86%	88%	88%	88%	89%	89%	
	AC CURRENT (Typ.)	2.2A/115VAC	1.1A/230VA	C						
	INRUSH CURRENT (Typ.)	35A/115VAC	70A/230VA							
	LEAKAGE CURRENT	<1.2mA/240V/	AC							
	OVERLOAD	105 ~ 135% rated output power Protection type: Constant current limiting, recovers automatically after fault condition is removed								
		, ,	6 ~ 7V	ent limiting, reco		, ,	1		E7.6 67.0\	
PROTECTION	OVER VOLTAGE	3.96 ~ 4.62V			14.4 ~ 16.8V	18.8 ~ 21.8V	30 ~ 34.8V	41.4 ~ 48.6V	57.6 ~ 67.2	
		Protection type: Shut down o/p voltage, re-power on to recover								
	OVER TEMPERATURE	95°C ±5°C (TSW1) detect on heatsink of power transistor								
		105°C ±5°C (TSW2) detect on main power output choke								
	5V STANDBY	Protection type: Shut down o/p voltage, recovers automatically after temperature goes down								
FUNCTION		5VSB: 5V@0.3A; tolerance ± 5%, ripple: 50mVp-p(max.)								
	REMOTE CONTROL	RC+/RC-: $4 \sim 10V$ or open = power on; $0 \sim 0.8V$ or short = power off								
	WORKING TEMP.	-30 ~ +70°C (Refer to output load derating curve)								
ENVIDONMENT	WORKING HUMIDITY	20 ~ 90% RH non-condensing								
ENVIRONMENT	STORAGE TEMP., HUMIDITY									
	TEMP. COEFFICIENT	±0.03%/°C (0~50°C)								
	VIBRATION	10 ~ 500Hz, 5G 10min./1cycle, 60min. each along X, Y, Z axes								
	SAFETY STANDARDS	UL60950-1, TUV EN60950-1 approved								
SAFETY &	WITHSTAND VOLTAGE	I/P-O/P:3KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC								
EMC	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH								
(Note 4)		Compliance to EN55022 (CISPR22) Class B								
	HARMONIC CURRENT	Compliance to EN61000-3-2,-3								
	EMS IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11; ENV50204, EN55024, heavy industry level, criteria A								
OTHERS	MTBF	189.1K hrs min. MIL-HDBK-217F (25℃)								
	DIMENSION	199*98*38mm (L*W*H)								
	PACKING	0.77Kg; 18pcs/14.9Kg/0.81CUFT								

- 4. 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.
- 5. Derating may be needed under low input voltages. Please check the derating curve for more details.
 6. No load power consumption<0.5W when RC+ & RC- (CN100 pin1,2) 0 ~ 8V or short.







■ Function Description of CN100

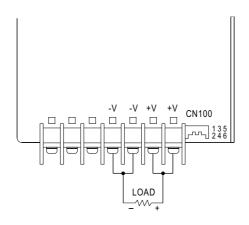
Pin No.	Function	Description
1	RC+	Turns the output on and off by electrical or dry contact between pin 2 (RC-). Short: Power OFF, Open: Power ON.
2	RC-	Remote control ground.
3	AUX	Auxiliary voltage output, 4.75~5.25V, reference to pin 4(AUXG). The maximum load current is 0.3A. This output has the built-in oring diodes and is not controlled by the "remote ON/OFF control".
4	AUXG	Auxiliary voltage output ground. The signal return is isolated from the output terminals (+V & -V).
5	+S	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 0.5V.
6		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 0.5V.

■ Function Manual

1.Remote Control

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

Between RC-(pin2) and RC+(pin1)	Output Status
SW ON (Short)	OFF
SW OFF (Open)	ON



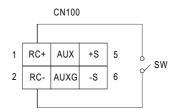
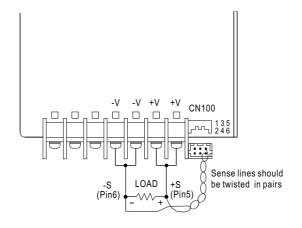


Fig 1.1

2.Remote Sense

The remote sensing compensates voltage drop on the load wiring up to 0.5V.



CNTOO								
1	RC+	AUX	+\$	5				
2	RC-	AUXG	-S	6				

Fig 2.1