



Features:

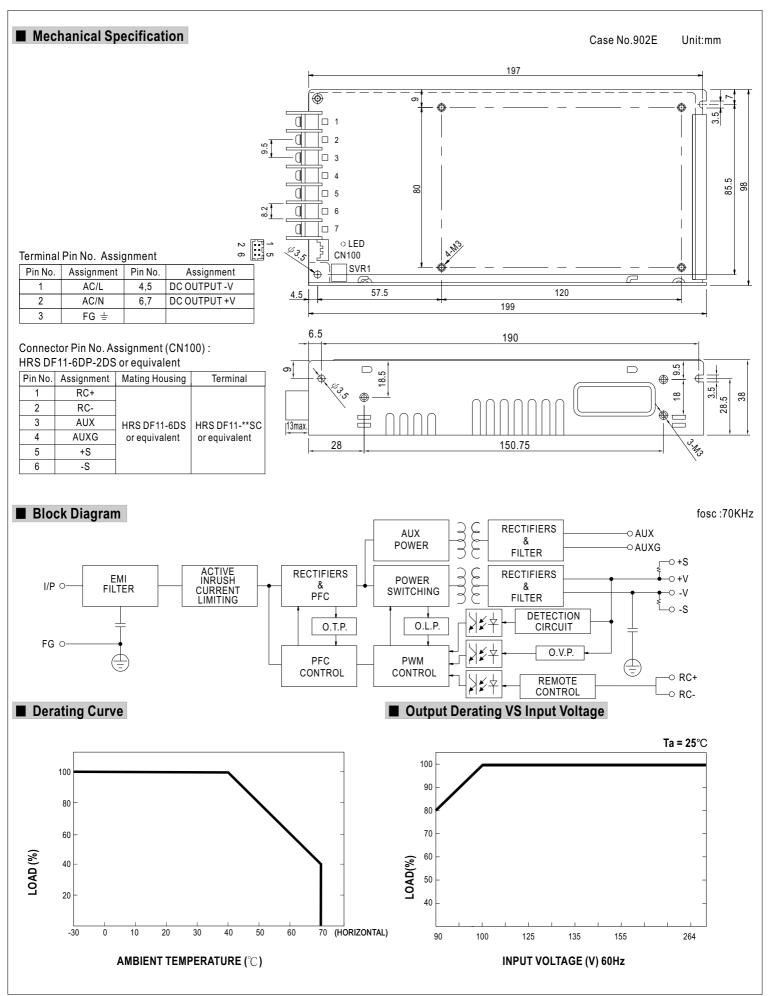
- Universal AC input / Full range
- Built-in active PFC function, PF>0.95
- High efficiency up to 89%
- Withstand 300VAC surge input for 5 seconds
- Protections: Short circuit / Overload / Over voltage / Over temperature
- · Cooling by free air convection
- · Built-in constant current limiting circuit
- 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



ENT NGE R SE (max.) Note.3 . RANGE ERANCE Note.3 TION ATION IME E (Typ.) IGE Note.5 RANGE DR (Typ.) (Typ.) ENT (Typ.) ENT (Typ.)	2.8 ~ 3.8V ±2.0% ±0.5% ±1.5% 1000ms, 50ms 16ms/230VAC 85 ~ 264VAC 47 ~ 63Hz PF>0.95/230V, 80% 2.2A/115VAC 35A/115VAC <1.2mA/240V, 105 ~ 135% rat	16ms/115' 120~370V AC PF>0.9 84% 1.1A/230VA 70A/230VA	9/115VAC at full 86% C		15V 13.4A 0 ~ 13.4A 201W 150mVp-p 13.5 ~ 18V ±1.0% ±0.3% ±0.5% d	24V 8.4A 0~8.4A 201.6W 150mVp-p 21.6~28.8V ±1.0% ±0.2% ±0.5%	36V 5.7A 0 ~ 5.7A 205.2W 250mVp-p 28.8 ~ 39.6V ±1.0% ±0.2% ±0.5%	48V 4.3A 0 ~ 4.3A 206.4W 250mVp-p 40.8 ~ 55.2V ±1.0% ±0.2% ±0.5%			
NGE R SE (max.) Note.3 RANGE ERANCE Note.3 FION ATION IME E (Typ.) IGE Note.5 RANGE DR (Typ.) Typ.) ENT (Typ.)	0 ~ 40A 132W 2 80mVp-p 2.8 ~ 3.8V ±2.0% ±0.5% ±1.5% 1000ms, 50ms 16ms/230VAC 85 ~ 264VAC 47 ~ 63Hz PF>0.95/230V 80% 2.2A/115VAC <1.2mA/240V 105 ~ 135% rat	0 ~ 35A 175W 90mVp-p 4.3 ~ 5.8V ±2.0% ±0.5% ±1.0% /230VAC 2 16ms/115 120 ~ 370V AC PF>0.9 84% 1.1A/230VA 70A/230VA	0 ~ 26.7A 200.3W 100mVp-p 6.8 ~ 9V ±2.0% ±1.0% 2500ms, 50ms/11 VAC at full load DC 19/115VAC at full 86%	0 ~ 16.7A 200.4W 120mVp-p 10.2 ~ 13.8V ±1.0% ±0.3% ±0.5% 5VAC at full load	0~13.4A 201W 150mVp-p 13.5~18V ±1.0% ±0.3% ±0.5%	0~8.4A 201.6W 150mVp-p 21.6~28.8V ±1.0% ±0.2% ±0.5%	0~5.7A 205.2W 250mVp-p 28.8~39.6V ±1.0% ±0.2% ±0.5%	0~4.3A 206.4W 250mVp-p 40.8~55.2V ±1.0% ±0.2%			
R BE (max.) Note RANGE ERANCE Note.3 TION ATION IME E (Typ.) IGE Note.5 RANGE DR (Typ.) Typ.) ENT (Typ.)	132W 2 80mVp-p 2.8 ~ 3.8V ±2.0% ±0.5% ±1.5% 1000ms, 50ms 16ms/230VAC 85 ~ 264VAC 47 ~ 63Hz PF>0.95/230V 80% 2.2A/115VAC <1.2mA / 240V 105 ~ 135% rat	175W 90mVp-p 4.3 ~ 5.8V ±2.0% ±0.5% ±1.0% /230VAC 2 16ms/115 120 ~ 370V AC PF>0.9 84% 1.1A/230VA 70A/230VA	200.3W 100mVp-p 6.8 ~ 9V ±2.0% ±0.5% ±1.0% 2500ms, 50ms/11 VAC at full load DC 19/115VAC at full 86%	200.4W 120mVp-p 10.2 ~ 13.8V ±1.0% ±0.3% ±0.5% 5VAC at full load	201W 150mVp-p 13.5 ~ 18V ±1.0% ±0.3% ±0.5%	201.6W 150mVp-p 21.6 ~ 28.8V ±1.0% ±0.2% ±0.5%	205.2W 250mVp-p 28.8 ~ 39.6V ±1.0% ±0.2% ±0.5%	206.4W 250mVp-p 40.8 ~ 55.2V ±1.0% ±0.2%			
EE (max.) Note.: . RANGE ERANCE Note.3 TION ATION IME : (Typ.) IGE Note.5 RANGE DR (Typ.) [yp.) [yp.) [Typ.) ENT (Typ.)	2 80mVp-p 2.8 ~ 3.8V ±2.0% ±0.5% ±1.5% 1000ms, 50ms 16ms/230VAC 85 ~ 264VAC 47 ~ 63Hz PF>0.95/230V, 80% 2.2A/115VAC <1.2mA/240V, 105 ~ 135% rat	90mVp-p 4.3 ~ 5.8V ±2.0% ±0.5% ±1.0% /230VAC 2 16ms/115 120 ~ 370V AC PF>0.9 84% 1.1A/230VA 70A/230VA	100mVp-p 6.8 ~ 9V ±2.0% ±0.5% ±1.0% 2500ms, 50ms/11 VAC at full load DC 19/115VAC at full 86%	120mVp-p 10.2 ~ 13.8V ±1.0% ±0.3% ±0.5% 5VAC at full load	150mVp-p 13.5 ~ 18V ±1.0% ±0.3% ±0.5%	150mVp-p 21.6 ~ 28.8V ±1.0% ±0.2% ±0.5%	250mVp-p 28.8 ~ 39.6V ±1.0% ±0.2% ±0.5%	250mVp-p 40.8 ~ 55.2V ±1.0% ±0.2%			
. RANGE ERANCE Note.3 FION ATION IME : (Typ.) IGE Note.5 RANGE DR (Typ.) Typ.) (Typ.) ENT (Typ.)	2.8 ~ 3.8V ±2.0% ±0.5% ±1.5% 1000ms, 50ms 16ms/230VAC 85 ~ 264VAC 47 ~ 63Hz PF>0.95/230V, 80% 2.2A/115VAC 35A/115VAC <1.2mA/240V, 105 ~ 135% rat	4.3 ~ 5.8V ±2.0% ±0.5% ±1.0% /230VAC 2 16ms/115' 120 ~ 370V AC PF>0.9 84% 1.1A/230VA 70A/230VA	6.8 ~ 9V ±2.0% ±0.5% ±1.0% ±500ms, 50ms/11 VAC at full load DC 19/115VAC at full 86%	10.2 ~ 13.8V ±1.0% ±0.3% ±0.5% 5VAC at full load	13.5 ~ 18V ±1.0% ±0.3% ±0.5%	21.6~28.8V ±1.0% ±0.2% ±0.5%	28.8 ~ 39.6V ±1.0% ±0.2% ±0.5%	40.8 ~ 55.2V ±1.0% ±0.2%			
ERANCE Note.3 TION ATION IME : (Typ.) IGE Note.5 RANGE DR (Typ.) Typ.) (Typ.) ENT (Typ.)	±2.0% ±0.5% ±1.5% 1000ms, 50ms 16ms/230VAC 85 ~ 264VAC 47 ~ 63Hz PF>0.95/230V 80% 2.2A/115VAC 35A/115VAC <1.2mA / 240V 105 ~ 135% rat	±2.0% ±0.5% ±1.0% /230VAC 2 16ms/115' 120 ~ 370V AC PF>0.9 84% 1.1A/230VA 70A/230VA	±2.0% ±0.5% ±1.0% !500ms, 50ms/11 VAC at full load DC !9/115VAC at full 86%	±1.0% ±0.3% ±0.5% 5VAC at full load	±1.0% ±0.3% ±0.5% d	±1.0% ±0.2% ±0.5%	±1.0% ±0.2% ±0.5%	±1.0% ±0.2%			
TION ATION IME : (Typ.) IGE Note.5 RANGE DR (Typ.) Typ.) (Typ.) ENT (Typ.)	±0.5% ±1.5% 1000ms, 50ms 16ms/230VAC 85 ~ 264VAC 47 ~ 63Hz PF>0.95/230V 80% 2.2A/115VAC 35A/115VAC <1.2mA/240V 105 ~ 135% rat	±0.5% ±1.0% /230VAC 2 16ms/115' 120 ~ 370V AC PF>0.9 84% 1.1A/230VA 70A/230VA	±0.5% ±1.0% :500ms, 50ms/11 VAC at full load DC :99/115VAC at full 86%	±0.3% ±0.5% 5VAC at full load	±0.3% ±0.5%	±0.2% ±0.5%	±0.2% ±0.5%	±0.2%			
ATION IME E (Typ.) IGE Note.5 RANGE DR (Typ.) Typ.) ENT (Typ.) ENT (Typ.)	±1.5% 1000ms, 50ms 16ms/230VAC 85 ~ 264VAC 47 ~ 63Hz PF>0.95/230V 80% 2.2A/115VAC <1.2mA / 240V 105 ~ 135% rat	±1.0% /230VAC 2 16ms/115 120 ~ 370V AC PF>0.9 84% 1.1A/230VA 70A/230VA	±1.0% !500ms, 50ms/11 VAC at full load DC 19/115VAC at full 86% C	±0.5% 5VAC at full load	±0.5%	±0.5%	±0.5%				
IME E (Typ.) IGE Note.5 RANGE DR (Typ.) Typ.) Typ.) ENT (Typ.)	1000ms, 50ms 16ms/230VAC 85 ~ 264VAC 47 ~ 63Hz PF>0.95/230V 80% 2.2A/115VAC 35A/115VAC <1.2mA / 240V 105 ~ 135% rat	/230VAC 2 16ms/115 120 ~ 370V AC PF>0.9 84% 1.1A/230VA 70A/230VA	2500ms, 50ms/11 VAC at full load DC 29/115VAC at full 86% C	5VAC at full load	d			±0.5%			
E (Typ.) IGE Note.5 RANGE DR (Typ.) Typ.) (Typ.) ENT (Typ.)	16ms/230VAC 85 ~ 264VAC 47 ~ 63Hz PF>0.95/230V 80% 2.2A/115VAC 35A/115VAC <1.2mA / 240V 105 ~ 135% rat	16ms/115' 120~370V AC PF>0.9 84% 1.1A/230VA 70A/230VA	VAC at full load DC 99/115VAC at full 86% C	load		88%					
IGE Note.5 RANGE DR (Typ.) Typ.) (Typ.) ENT (Typ.)	85 ~ 264VAC 47 ~ 63Hz PF>0.95/230V 80% 2.2A/115VAC 35A/115VAC <1.2mA / 240V 105 ~ 135% rat	120 ~ 370V AC PF>0.9 84% 1.1A/230VA 70A/230VA	DC 99/115VAC at full 86% C		88%	88%					
RANGE DR (Typ.) 「yp.) (Typ.) ENT (Typ.)	47 ~ 63Hz PF>0.95/230V 80% 2.2A/115VAC 35A/115VAC <1.2mA/240V 105 ~ 135% rat	AC PF>0.9 84% 1.1A/230VA 70A/230VA	9/115VAC at full 86% C		88%	88%					
OR (Typ.) 「yp.) (Typ.) ENT (Typ.)	PF>0.95/230V/ 80% 2.2A/115VAC 35A/115VAC <1.2mA/240V/ 105~135% rat	1.1A/230VA 70A/230VA	86% C		88%	88%					
Typ.) (Typ.) ENT (Typ.)	80% 2.2A/115VAC 35A/115VAC <1.2mA / 240V 105 ~ 135% rat	1.1A/230VA 70A/230VA	86% C		88%	88%					
(Typ.) ENT (Typ.)	2.2A/115VAC 35A/115VAC <1.2mA / 240V 105 ~ 135% rat	1.1A/230VA 70A/230VA	С	88%	88%	88%					
(Typ.) ENT (Typ.)	35A/115VAC <1.2mA / 240V 105 ~ 135% rat	70A/230VA					89%	89%			
ENT (Typ.)	35A/115VAC <1.2mA / 240V 105 ~ 135% rat		С								
, , ,	105 ~ 135% rat	AC									
	105 ~ 135% rat	-	<1.2mA/240VAC								
		105 ~ 135% rated output power									
	Protection type : Constant current limiting, recovers automatically after fault condition is removed										
	3.96 ~ 4.62V	6 ~ 7V	9.4 ~ 10.9V	14.4 ~ 16.8V	18.8 ~ 21.8V	30 ~ 34.8V	41.4 ~ 48.6V	57.6 ~ 67.2V			
OVER VOLTAGE		1	p voltage, re-pov								
OVER TEMPERATURE			atsink of power t		'						
	` `		main power outp								
	,				after temperati	ire goes down					
	Protection type: Shut down o/p voltage, recovers automatically after temperature goes down 5VSB: 5V@0.3A; tolerance ± 5%, ripple: 50mVp-p(max.)										
TROL	RC+/RC-: 4~10V or open = power on; 0~0.8V or short = power off										
<u> </u>	-30 ~ +70°C (Refer to output load derating curve)										
MIDITY	20 ~ 90% RH non-condensing										
MP., HUMIDITY											
CIENT	±0.03%/°C (0~50°C)										
VIII.	10 ~ 500Hz, 5G 10min./1cycle, 60min. each along X, Y, Z axes										
DARDS											
	The state of the s										
·				750204, LN3502	.4, neavy mousti	y level, criteria					
			-2177 (23 ()								
		•									
O S	RENT	ARDS UL60950-1, TU LTAGE I/P-O/P:3KVA0 ISTANCE I/P-O/P, I/P-FG 1& RADIATION Compliance to Compliance to Compliance to 189.1K hrs mir 199*98*38mm 0.77Kg; 18pcs/ s NOT specially mentioned ar	ARDS UL60950-1, TUV EN60950-1 a LTAGE I/P-O/P:3KVAC I/P-FG:1.5K ISTANCE I/P-O/P, I/P-FG, O/P-FG:100M I & RADIATION Compliance to EN55022 (CISF RENT Compliance to EN61000-3-2,- Compliance to EN61000-4-2,3 189.1K hrs min. MIL-HDBK 199*98*38mm (L*W*H) 0.77Kg; 18pcs/14.9Kg/0.81CUF IS NOT specially mentioned are measured at a e are measured at 20MHz of bandwidth by use	ARDS UL60950-1, TUV EN60950-1 approved LTAGE I/P-O/P:3KVAC I/P-FG:1.5KVAC O/P-FG:1 ISTANCE I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC RADIATION Compliance to EN55022 (CISPR22) Class B RENT Compliance to EN61000-3-2,-3 Compliance to EN61000-4-2,3,4,5,6,8,11; ENV 189.1K hrs min. MIL-HDBK-217F (25°C) 199*98*38mm (L*W*H) 0.77Kg; 18pcs/14.9Kg/0.81CUFT s NOT specially mentioned are measured at 230VAC input, ra	ARDS UL60950-1, TUV EN60950-1 approved I/P-O/P:3KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC ISTANCE I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% RFI & RADIATION Compliance to EN55022 (CISPR22) Class B IRENT Compliance to EN61000-3-2,-3 Compliance to EN61000-4-2,3,4,5,6,8,11; ENV50204, EN5502 189.1K hrs min. MIL-HDBK-217F (25°C) 199*98*38mm (L*W*H) 0.77Kg; 18pcs/14.9Kg/0.81CUFT s NOT specially mentioned are measured at 230VAC input, rated load and 25 e are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminoludes set up tolerance, line regulation and load regulation.	ARDS UL60950-1, TUV EN60950-1 approved I/P-O/P:3KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC ISTANCE I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH I & RADIATION Compliance to EN55022 (CISPR22) Class B IRENT Compliance to EN61000-3-2,-3 Compliance to EN61000-4-2,3,4,5,6,8,11; ENV50204, EN55024, heavy industriated in the second of the second o	ARDS UL60950-1, TUV EN60950-1 approved LTAGE I/P-O/P:3KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC ISTANCE I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH I & RADIATION Compliance to EN55022 (CISPR22) Class B IRENT Compliance to EN61000-3-2,-3 Compliance to EN61000-4-2,3,4,5,6,8,11; ENV50204, EN55024, heavy industry level, criteria 189.1K hrs min. MIL-HDBK-217F (25°C) 199*98*38mm (L*W*H) 0.77Kg; 18pcs/14.9Kg/0.81CUFT s NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. e are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf paralle includes set up tolerance, line regulation and load regulation.	ARDS UL60950-1, TUV EN60950-1 approved LTAGE I/P-O/P:3KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC ISTANCE I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH I & RADIATION Compliance to EN55022 (CISPR22) Class B IRENT Compliance to EN61000-3-2,-3 Compliance to EN61000-4-2,3,4,5,6,8,11; ENV50204, EN55024, heavy industry level, criteria A 189.1K hrs min. MIL-HDBK-217F (25°C) 199*98*38mm (L*W*H) 0.77Kg; 18pcs/14.9Kg/0.81CUFT s NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. e 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.			

- 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

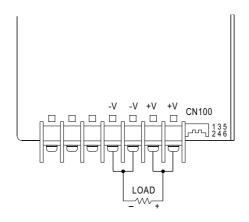
Pin No.	Function	Description				
1	RC+	Turns the output on and off by electrical or dry contact between pin 2 (RC-). Short: Power OFF, Open: Power ON.				
2	RC-	Remote control ground.				
3		Auxiliary voltage output, 4.6~5.25V, reference to pin 4(AUXG). The maximum load current is 0.3A. This output has 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



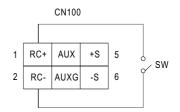
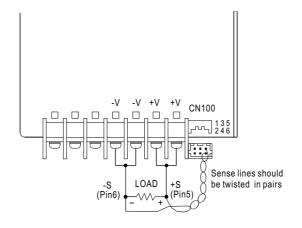


Fig 1.1

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