



MW Search: https://www.meanwell.com/serviceGTIN.aspx

■ 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
- · Built-in constant current limiting circuit
- 1U low profile 41mm
- · Built-in cooling fan ON-OFF control
- Built-in DC OK signal
- 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





SPECIFICATION

■ GTIN CODE

ATION				U FC	UL62368-1	BS EN/EN62368-1	TPTC004 IEC6236	8-1	
	HRPG-300-3.3	HRPG-300-5	HRPG-300-7.5	HRPG-300-12	HRPG-300-15	HRPG-300-24	HRPG-300-36	HRPG-300-4	
DC VOLTAGE	3.3V	5V	7.5V	12V	15V	24V	36V	48V	
RATED CURRENT	60A	60A	40A	27A	22A	14A	9A	7A	
CURRENT RANGE	0 ~ 60A	0 ~ 60A	0 ~ 40A	0 ~ 27A	0 ~ 22A	0 ~ 14A	0 ~ 9A	0 ~ 7A	
RATED POWER	198W	300W	300W	324W	330W	336W	324W	336W	
RIPPLE & NOISE (max.) Note.2	80mVp-p	90mVp-p	100mVp-p	120mVp-p	150mVp-p	150mVp-p	250mVp-p	250mVp-p	
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	±2.5%	±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	±1.0%	±1.0%	±1.0%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	
SETUP, RISE TIME									
HOLD UP TIME (Typ.)	16ms/230VAC 16ms/115VAC at full load								
VOLTAGE RANGE Note.5									
FREQUENCY RANGE	47 ~ 63Hz								
POWER FACTOR (Typ.)	PF>0.95/230V/	AC PF>0.9	9/115VAC at full	load					
, , ,	80%	82%	86%	88%	88%	87%	88%	89%	
(): /	3.5A/115VAC	1.8A/230VA							
110 20111211 (17)									
LEAKAGE CURRENT									
OVERLOAD									
OVER VOLTAGE	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 ~ 67.2	
	Protection type	: Shut down o/	p voltage, re-pov	ver on to recove	r		1		
OVER TEMPERATURE									
5V STANDBY	1 0 /								
DC OK SIGNAL	PSU turns on : 3.3 ~ 5.6V; PSU turns off : 0 ~ 1V								
REMOTE CONTROL	RC+ / RC-: 4 ~ 10V or open = power on; 0 ~ 0.8V or short = power off								
FAN CONTROL (Typ.)									
WORKING TEMP.	-40 ~ +70 °C (Refer to "Derating Curve")								
WORKING HUMIDITY	20 ~ 90% RH non-condensing								
TEMP. COEFFICIENT	'								
VIBRATION									
SAFETY STANDARDS									
	,		•		-				
							dustry level FAC	TP TC 020	
					•		, 10101, LNO	10 020	
			11-332 (Delicole)	, 170.11(1113111111	i. IVIIL-I IDDN-2	2171 (23 0)			
	199*105*41mm (L*W*H) 0.95Kq;15pcs/15.3Kq/0.79CUFT								
PACKING									
	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.) AC CURRENT (Typ.) INRUSH CURRENT (Typ.) LEAKAGE CURRENT OVERLOAD OVER VOLTAGE OVER TEMPERATURE 5V STANDBY DC OK SIGNAL REMOTE CONTROL FAN CONTROL (Typ.) WORKING TEMP. WORKING HUMIDITY TEMP. COEFFICIENT	HRPG-300-3.3	HRPG-300-3.3 HRPG-300-5	HRPG-300-3.3 HRPG-300-5 HRPG-300-7.5	HRPG-300-3.3 HRPG-300-5.5 HRPG-300-1.5 DC VOLTAGE 3.3V 5V 7.5V 12V	HRPG-300-3.3 HRPG-300-5 HRPG-300-12 HRPG-300-15 DC VOLTAGE 3.3V 5V 7.5V 12V 15V 15V	HRPG-300-3.3 HRPG-300-5 HRPG-300-7.5 HRPG-300-12 HRPG-300-15 HRPG-300-24	RPG-300-33	

- 2. Ripple & holse are measured at 20 win2 of barroward by using a 12 twisted pair-wire terminated with a 0.1 μ F & 47 μ F parallel capacitor.

 3. Tolerance : includes set up tolerance, line regulation and load regulation.

 4. 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*380mm 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 https://www.meanwell.com//Upload/PDF/EMI_statement_en.pdf)

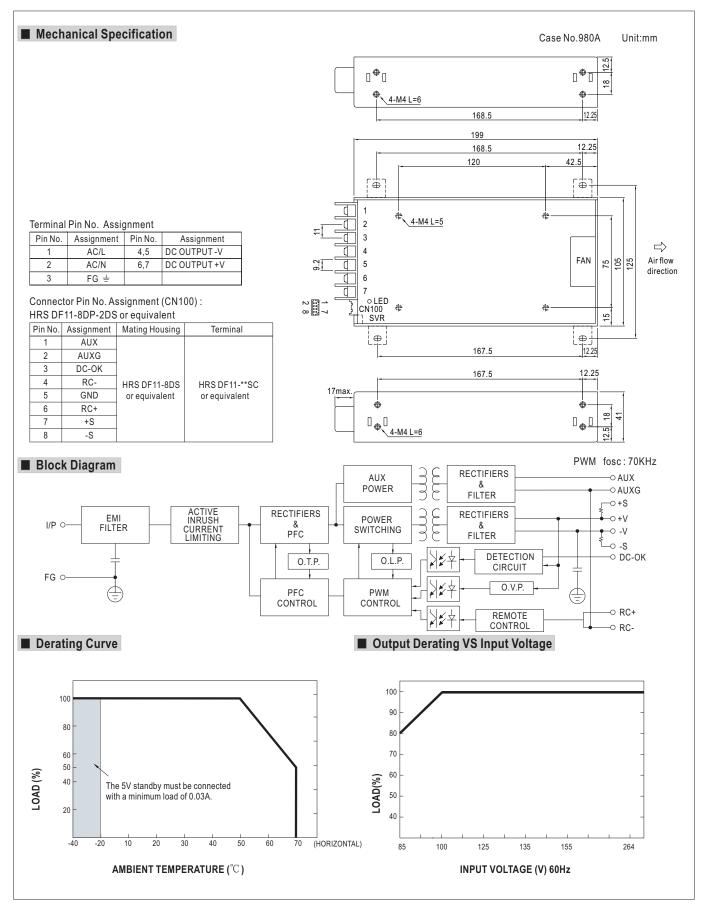
- 5. Derating may be needed under low input voltages. Please check the derating curve for more details.

 6. No load power consumption<0.5W when RC- & RC+ (CN100 pin4,6) 0 ~ 0.8V or short.

 7. 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).
- ※ Product Liability Disclaimer: For detailed information, please refer to https://www.meanwell.com/serviceDisclaimer.aspx









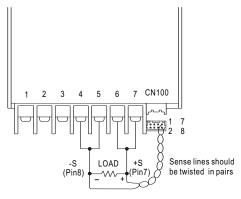
■ Function Description of CN100

Pin No.	Function	Description
1	AUX	Auxiliary voltage output, 4.75~5.25V, reference to pin 2(AUXG). The maximum load current is 0.3A. This output is not controlled by the "remote ON/OFF control".
2	AUXG	Auxiliary voltage output ground. The signal return is isolated from the output terminals (+V & -V).
3	DC-OK	DC-OK signal is a TTL level signal, referenced to pin5(DC-OK GND). High when PSU turns on.
4	RC-	Remote control ground.
5	GND	This pin connects to the negative terminal(-V). Return for DC-OK signal output.
6	RC+	Turns the output on and off by electrical or dry contact between pin 4 (RC-), Short: Power OFF, Open: Power ON.
7	+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.
8		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 Sense

The remote sensing compensates voltage drop on the load wiring up to $0.5 \mbox{V}.$



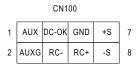
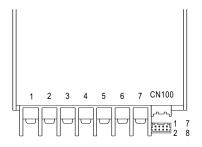


Fig 1.1

2.DC-OK Signal

DC-OK signal is a TTL level signal. High when PSU turns on.

Between DC-OK(pin3) and GND(pin5)	Output Status
3.3 ~ 5.6V	ON
0 ~ 1V	OFF



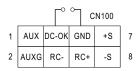


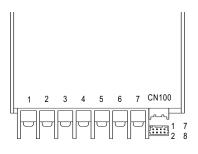
Fig 2.1



3.Remote Control

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

Between RC+(pin6) and RC-(pin4)	Output Status		
SW ON (Short)	OFF		
SW OFF (Open)	ON		



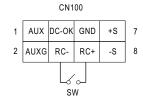


Fig 3.1