

**1500W Single Output with Parallel Function (HGNC-1500)**



**HGNC-1500...**

**Feature**

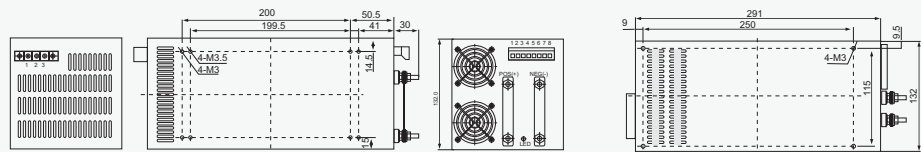
- High reliability, low ripple
- AC input voltage AC200~260V
- Protections : Short circuit/ Over load/ Over voltage/ Over temperature
- Built-in remote ON-OFF control and remote sense function
- With parallel function
- Can adjust from 20%~100% output voltage by external control 1-5V
- Forced air cooling by built-in DC fan
- 2 years warranty
- Dimensions: 291\*132\*132mm [L\*W\*H]

**Notes:**

- All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
- Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1μ & 47μf parallel capacitor.
- Each output can within current range. But total output power can't exceed rated load
- 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.

Model	HGNC-1K5-12	HGNC-1K5-15	HGNC-1K5-24	HGNC-1K5-48	
Output	DC Voltage	12V	15V	24V	48V
	Voltage Tolerance	±1%	±1%	±1%	±1%
	Rated Current	125A	100A	62.5A	32A
	Current Range	0-125A	0-100A	0-62.5A	32A
	Rated Power	1500SW	1500W	1500W	1536W
	Ripple & Noise	120mVp-p	150mVp-p	240mVp-p	480mVp-p
	DC Voltage adi.Range	Can adjust from 20%~100% output voltage by external control 1-5V			
Input	Setup,Rise,Hold Time	800ms, 50ms, 16ms at full load			
	Voltage Range	200~260VAC 290~370 VDC; 47-63Hz			
	AC Current	12A/230 VAC			
	Efficiency	83%	84%	85%	87%
	Inrush Current	120A/230V			
Protection	Leakage Current	3.5 mA/240VAC			
	Over Load	110%~135%			
		Protection type: Shut down o/p voltage, re-power on to recover TSW1 Power transistor temp.>100 , shut down o/p voltage, re-power on to recover			
Environment	Working Temp & Humidity	-10°C~+65°C, 20%~90 %RH			
	Storage Temp & Humidity	-20°C~+85°C, 10%~95 %RH			
	Vibration	10~200Hz, 2G 10min./1cycle, period for 60min, each along X, Y, Z axes			
Safety	Withstand Voltage	I/P-O/P, I/P-FG:1500VAC			
	Isolation Resistance	I/P-O/P, I/P-FG, >100M Ohms / 500VDC			
Standards	Safety Standard	Design refer to UL1950,CSA22.2,IEC60950			
	EMC Standard	Design refer to FCC Part 15 Class A			
Others	Weight	4.5Kg;			
	Packing	4pcs/20kg/CARTON			
	Special Function	DC voltage adj., Remote sensing, remote control, parallel operation (refer to terminal instructionmanual)			

**Outline and dimension**



Terminal pin No. assignment

Pin No.	Assignment
1	AC/L
2	AC/N
3	FG⊕

Control terminal pin No. assignment(CN1):  
dinkle 51HDBC-08P or equivalent

Pin No.	Assignment	Pin No.	Assignment	Mating with
1	VS+	5	GND	Dinkle 51SD8-08P or equivalent
2	VS-	6	PAR	
3	VC1	7	GND	
4	VC0	8	INH	

