

# HSCN-1K5 Single Output Switching Power Supply with Parallel Function

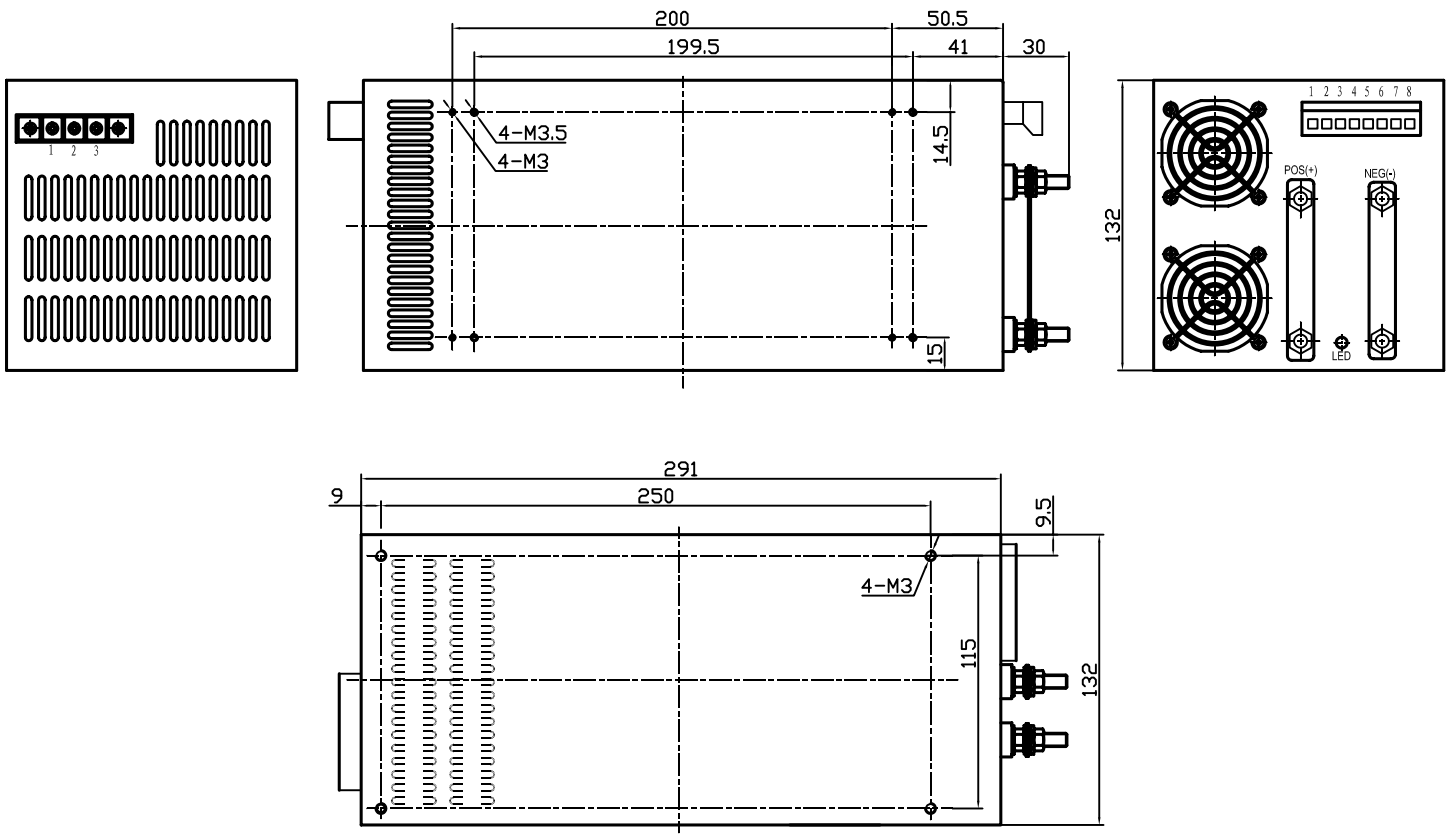
**Features:**

- 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)



MODEL		HSCN-1K5 -12	HSCN-1K5 -15	HSCN-1K5 -24	HSCN-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	0-32A
	RATED POWER	1500W	1500W	1500W	1536W
	RIPPLE & NOISE	120mVp-p	150mVp-p	240mVp-p	480mVp-p
	DC ADJUSTMENT RANGE	Can adjust from 20%~100% output voltage by external control 1-5V			
	SETUP, RISE, HOLD TIME	800ms, 50ms, 16ms at full load			
INPUT	VOLTAGE RANGE	200~260 VAC 47~63 Hz; 290~370VDC			
	AC CURRENT	12A/ 230 VAC			
	EFFICIENCY	83%	84%	85%	87%
	INRUSH CURRENT	120A/230V			
	LEAKAGE CURRENT	3.5 mA/240VAC			
PROTECTION	OVER LOAD	110%~135% Protection type: Current limiting, delay shut down o/p voltage, re-power on to recover			
	OVER VOLTAGE	110%~135% Protection type: Shut down o/p voltage, re-power on to recover			
	OVER TEMP.	TSW1 (Power transistor) temp.>100 °C, 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			
SATETY	WITHSTAND VOLTAGE	I/P-O/P, I/P-FG:1500VAC			
	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, >100M Ohms / 500VDC			
STANDARD	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 instruction manual)			
NOTE	<ol style="list-style-type: none"> <li>1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.</li> <li>2. Ripple &amp; noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1 μ &amp; 47 μ parallel capacitor.</li> <li>3. Tolerance: includes set up tolerance, line regulation and load regulation.</li> <li>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.</li> </ol>				

■ Outline and Dimension:



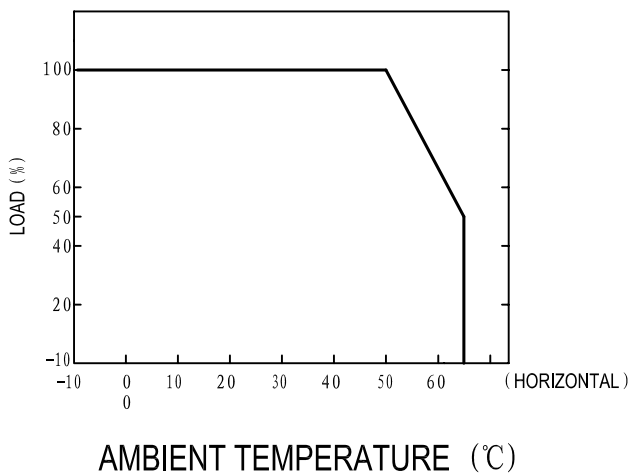
Terminal Pin No. Assignment:

Pin No.	Assignment
1	AC/L
2	AC/N
3	FG $\oplus$

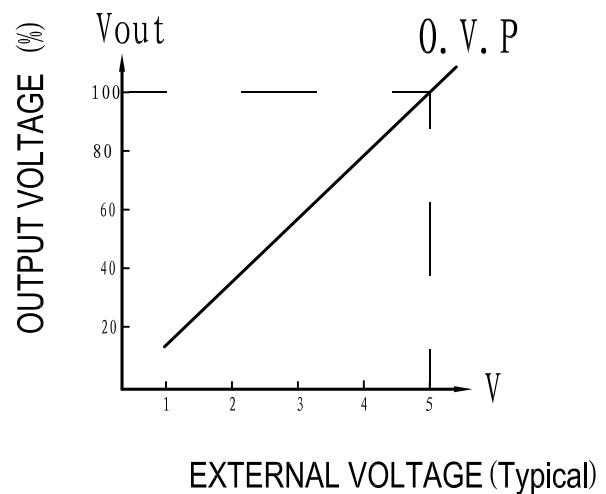
Control Terminal Pin No. Assignment (CN1): Dinkle 51HDBC-08P or equivalent

Pin No.	Assignment	Pin No.	Assignment	Mating With
1	VS+	5	GND	Dinkle 51SDB-08P or equivalent
2	VS-	6	PAR	
3	VCI	7	GND	
4	VCO	8	INH	

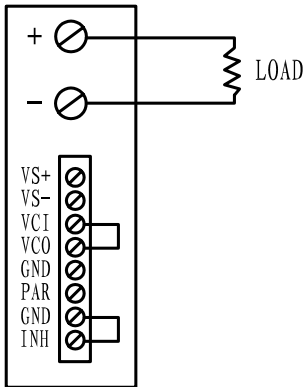
■ Derating Curve



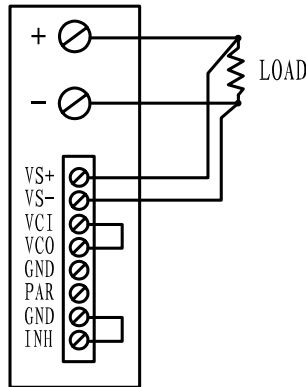
■ External DC Control VS Output Voltage



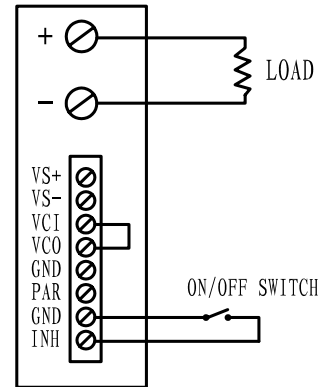
■ Control Terminal Instruction Manual:



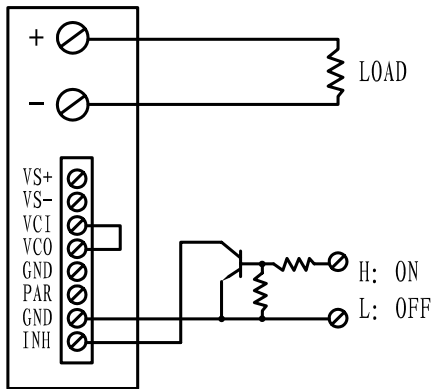
USING INTERNAL VOLTAGE CONTROL



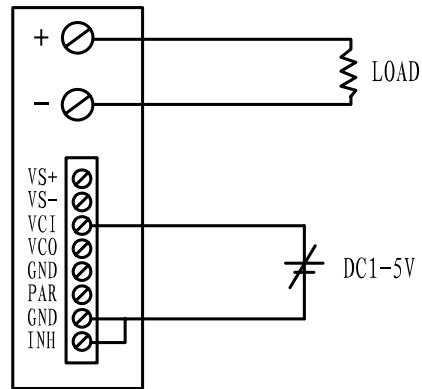
REMOTE SENSING



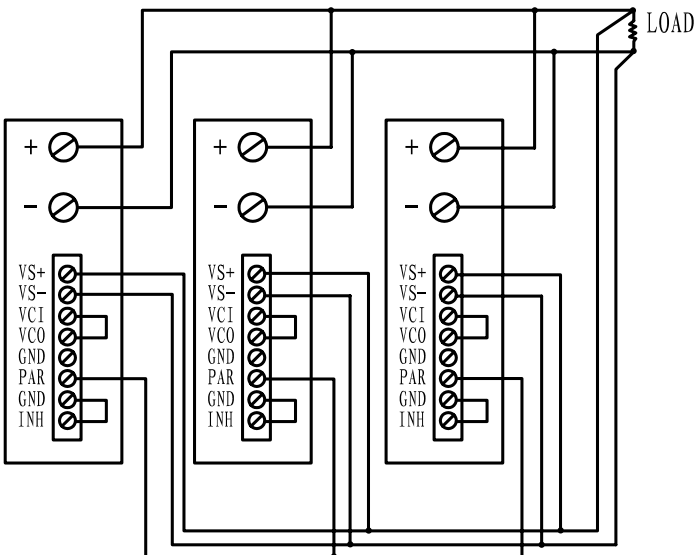
ON/OFF CONTROL BY SWITCH



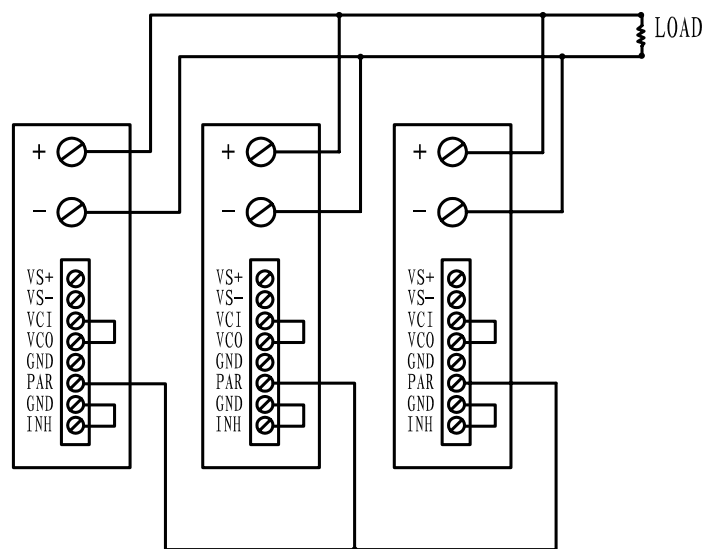
ON/OFF CONTROL BY TRANSISTOR



OUTPUT VOLTAGE ADJUST WITH DC1-5V



PARALLEL OPERATION WITH REMOTE SENSING



PARALLEL OPERATION