

HSCN-800 Single Output Switching Power Supply with Parallel Function

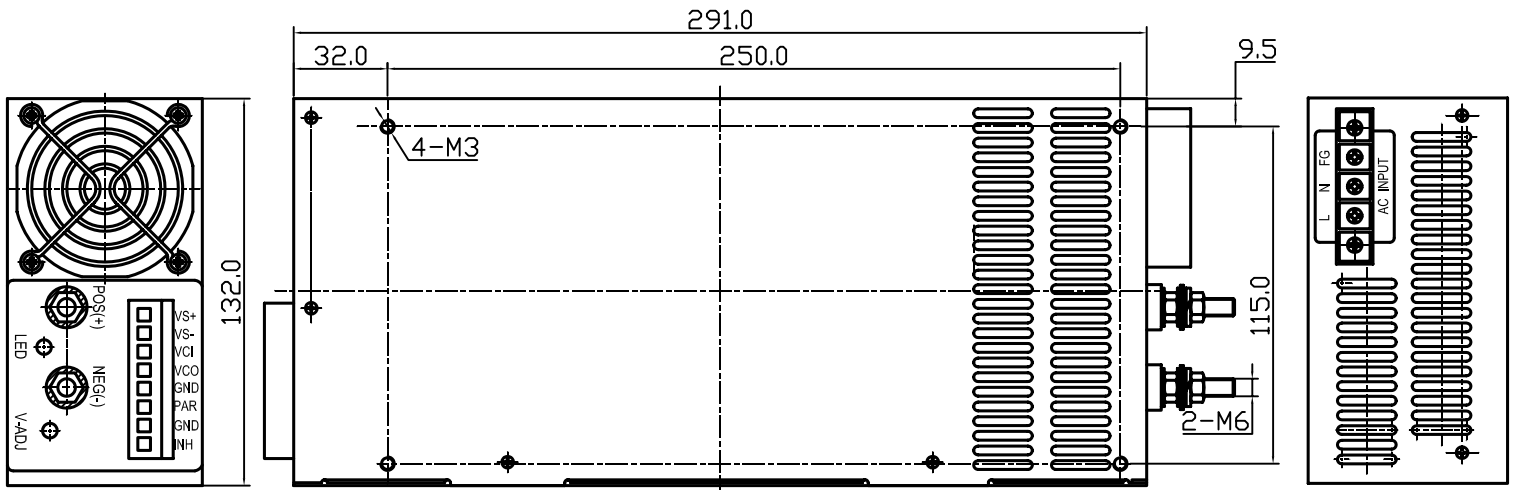
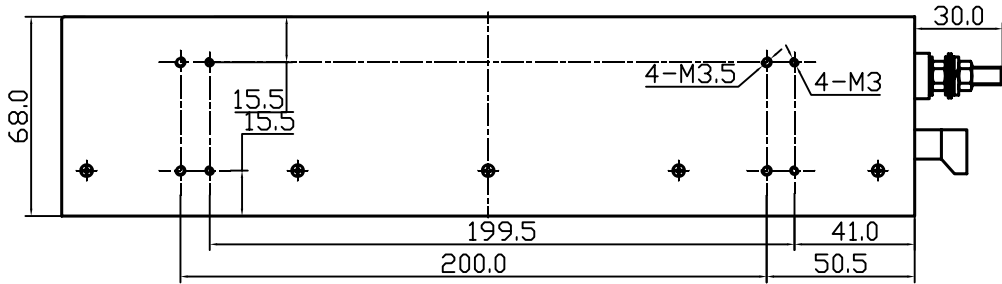
Features:

- High reliability, low ripple
- AC input range selected by switch
- 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*68mm (L*W*H)

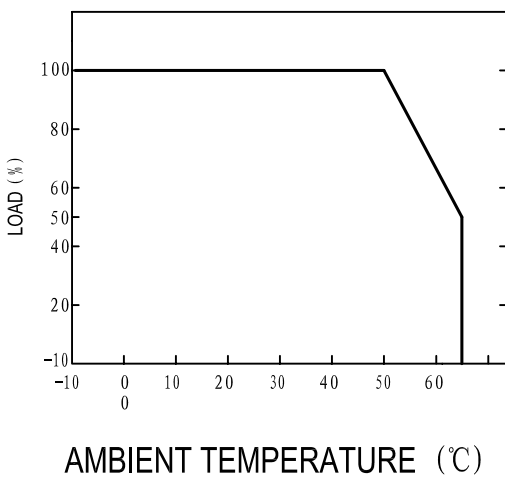


| MODEL | | HSCN-800 -12 | HSCN-800 -15 | HSCN-800 -24 | HSCN-800 -48 |
|-------------|--|---|-----------------|-----------------|-----------------|
| OUTPUT | DC VOLTAGE | 12V | 15V | 24V | 48V |
| | VOLTAGE TOLERANCE | ± 1% | ± 1% | ± 1% | ± 1% |
| | RATED CURRENT | 66A | 54A | 33A | 16.6A |
| | CURRENT RANGE | 0-66A | 0-54A | 0-33A | 0-16.6A |
| | RATED POWER | 800W | 800W | 800W | 800W |
| | RIPPLE & NOISE | 150mVp-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 | 90~130VAC / 180~260 VAC 47~63 Hz; selected by switch 260~370VDC | | | |
| | AC CURRENT | 13A/115 VAC 8.0A/ 230 VAC | | | |
| | EFFICIENCY | 80% | 81% | 85% | 87% |
| | INRUSH CURRENT | 60A/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) When 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 | | | |
| SAFETY | 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 UL1950,CSA22.2,IEC60950 | | | |
| | EMC STANDARD | Design refer to FCC Part 15 Class A | | | |
| OTHERS | WEIGHT | 2.3Kg; | | | |
| | PACKING | 8pcs/24.0kg/CARTON | | | |
| NOTE | <ol style="list-style-type: none"> 1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. 2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1 μ & 47 μ 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. The final equipment must be re-confirmed that it still meets EMC directives. | | | | |

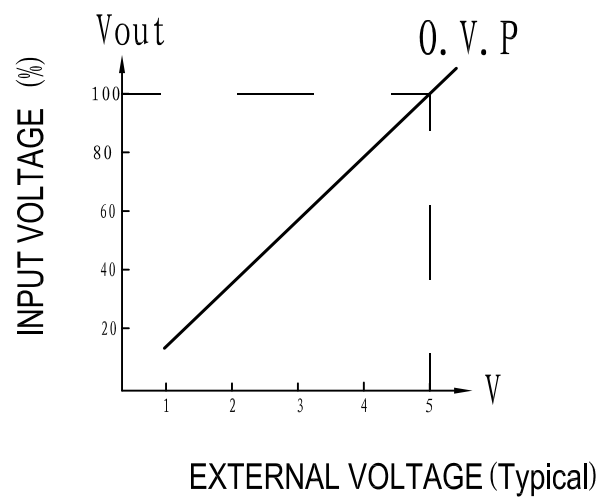
■ Outline and Dimension:



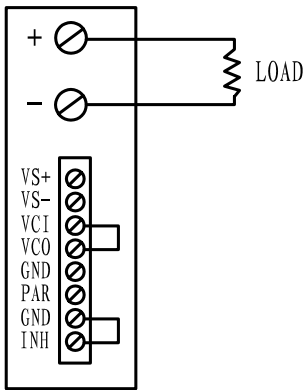
■ Derating Curve



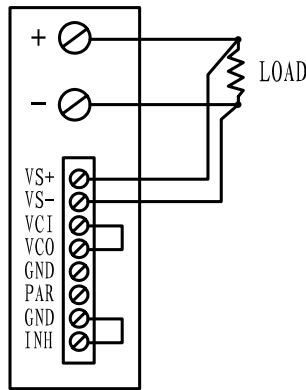
■ External DC Control VS Output Voltage



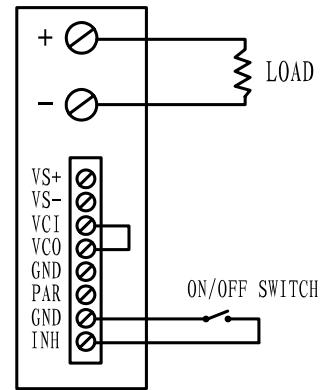
■ Control Terminal Instruction Manual:



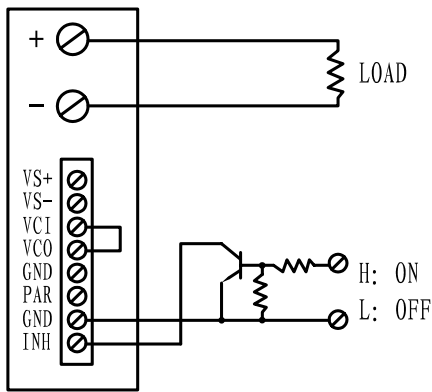
USING INTERNAL VOLTAGE CONTROL



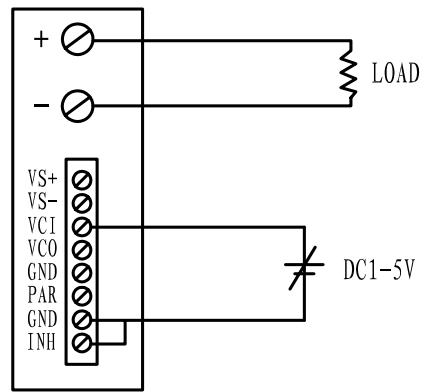
REMOTE SENSING



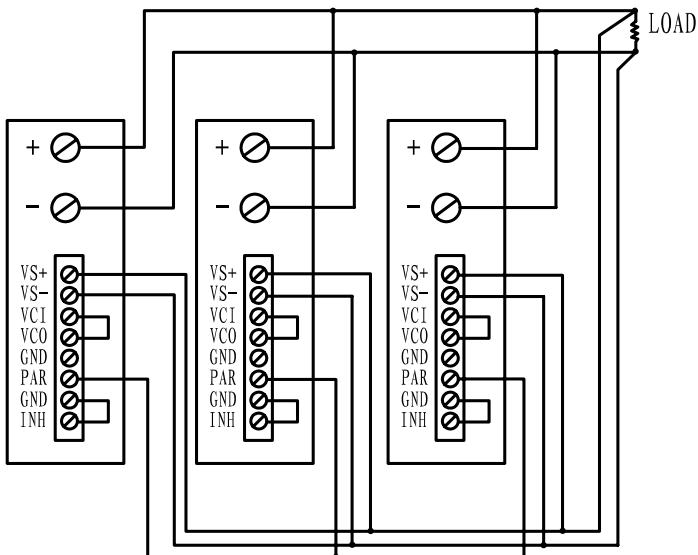
ON/OFF CONTROL BY SWITCH



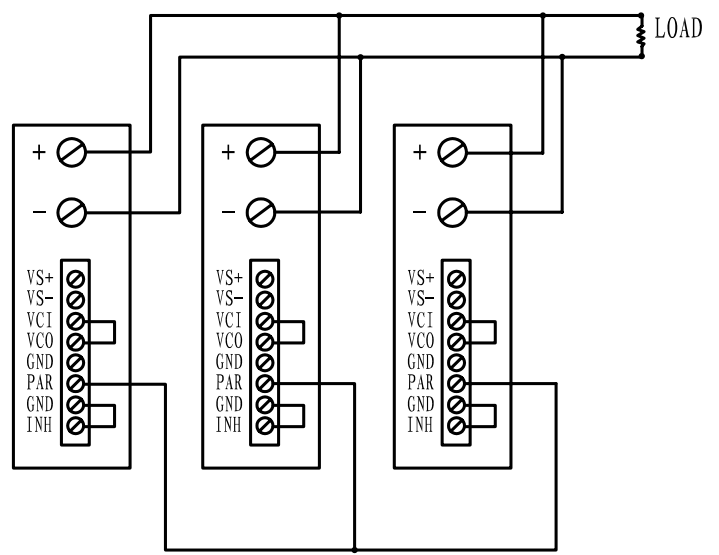
ON/OFF CONTROL BY TRANSISTOR



OUTPUT VOLTAGE ADJUST WITH DC1-5V



PARALLEL OPERATION WITH REMOTE SENSING



PARALLEL OPERATION