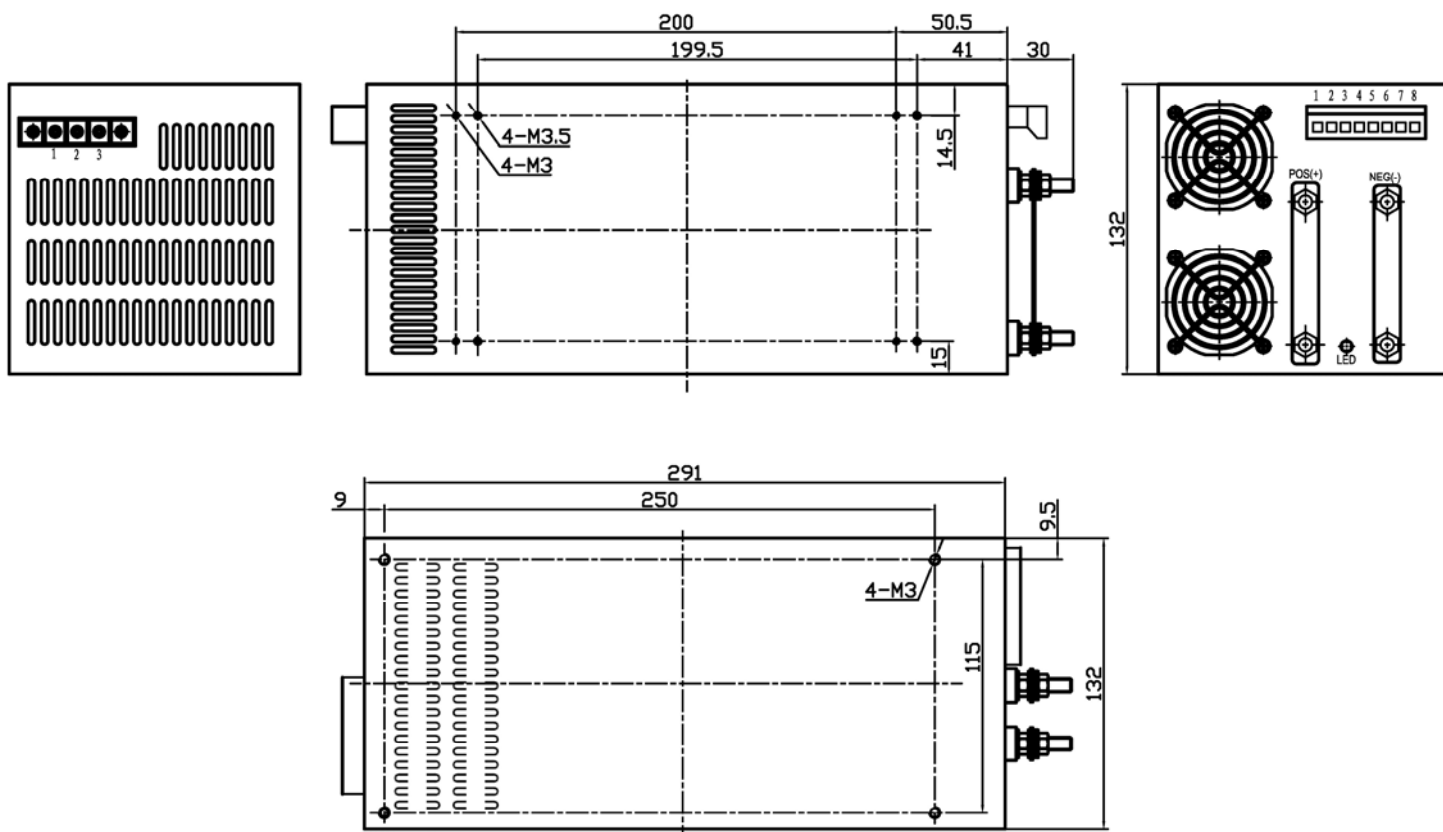




| MODEL TLHS-12-1500 | | | | | |
|---------------------------|---|--|--------------|--------------|--------------|
| OUTPUT | DC VOLTAGE | 12V | 15V | 24V | 48V |
| | VOLTAGE TOLERANCE | +1% | +1% | +1% | +1% |
| | RATED CURRENT | 125A | 100A | 62.5A | 32A |
| | CURRENT RANGE | 0-125A | 0-100A | 0-62.5A | 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, 280~370VDC | | | |
| | 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 ℃, shut down o/p voltage, re-power on to recover | | | |
| ENVIRONMENT | WORKING TEMP., HUMIDITY | -10℃~+85℃, 20%~90 %RH | | | |
| | STORAGE TEMP., HUMIDITY | -20℃~+85℃, 10%~95 %RH | | | |
| | VIBRATION | 10~200Hz, 2G 10min./cycle, period for 60min, each along X, Y, Z axes | | | |
| SATEY | 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"> All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25℃ of ambient temperature. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1μ & 47μ parallel capacitor. Tolerance: includes set up tolerance, line regulation and load regulation. 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:



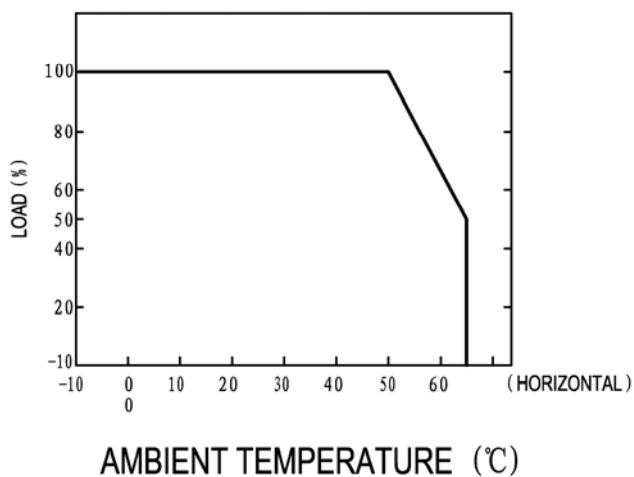
Terminal Pin No. Assignment:

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

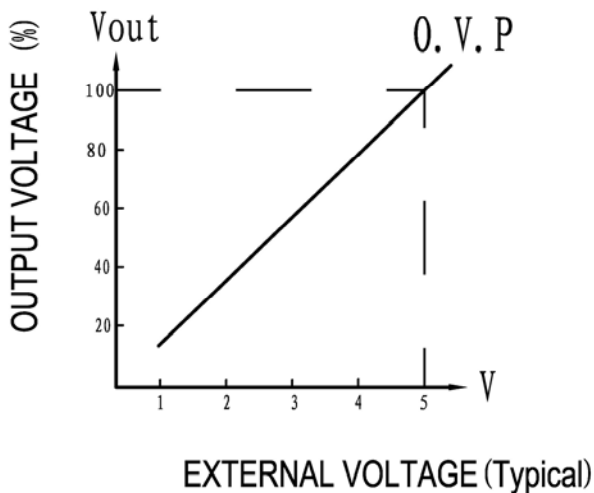
Control Terminal Pin No. Assignment (CN1): Dinkle 51HDBC-08P or equivalent

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

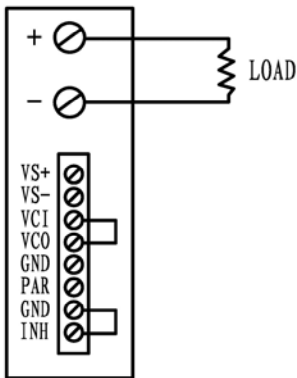
■ Derating Curve



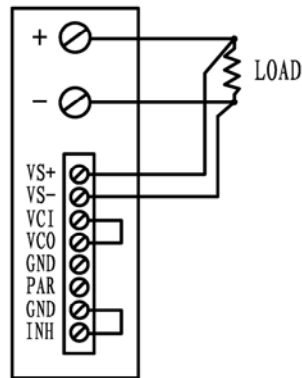
■ External DC Control VS Output Voltage



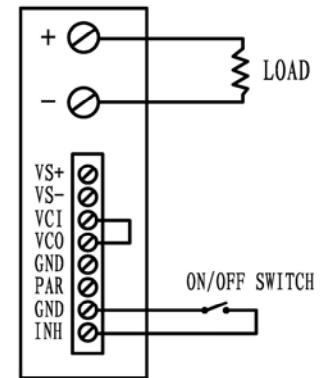
■ Control Terminal Instruction Manual:



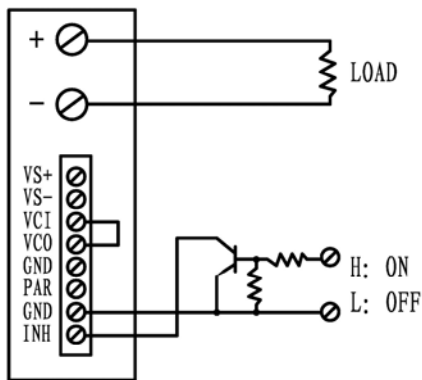
USING INTERNAL VOLTAGE CONTROL



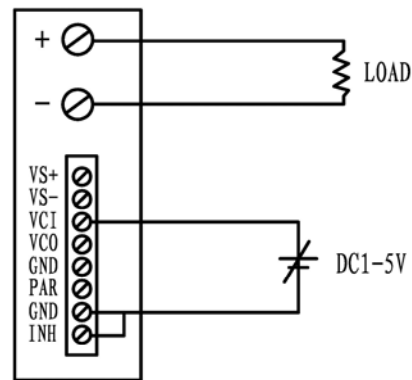
REMOTE SENSING



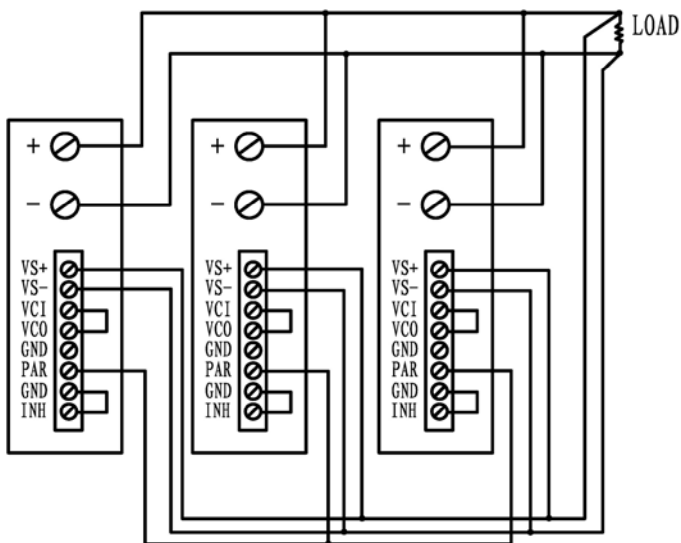
ON/OFF CONTROL BY SWITCH



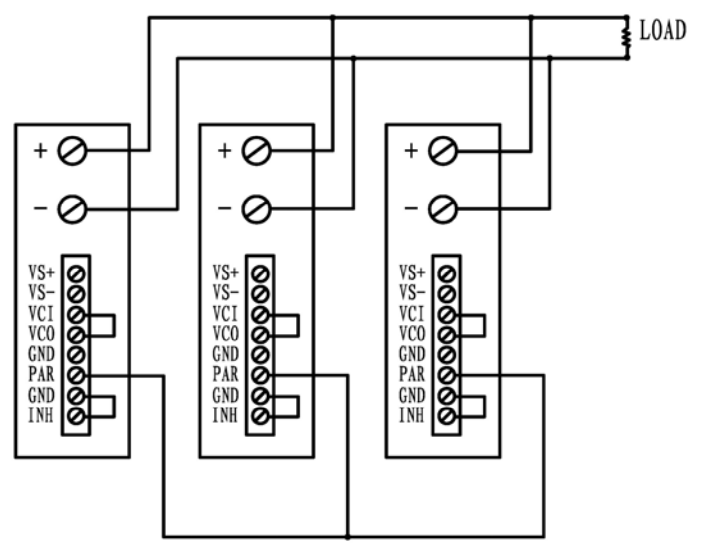
ON/OFF CONTROL BY TRANSISTOR



OUTPUT VOLTAGE ADJUST WITH DC1-5V



PARALLEL OPERATION WITH REMOTE SENSING



PARALLEL OPERATION