



Наличие и актуальные цены на

**SCN-2K0-12**

<https://www.mean-well.ru/store/SCN-2K0-12/>



## ■ Features :

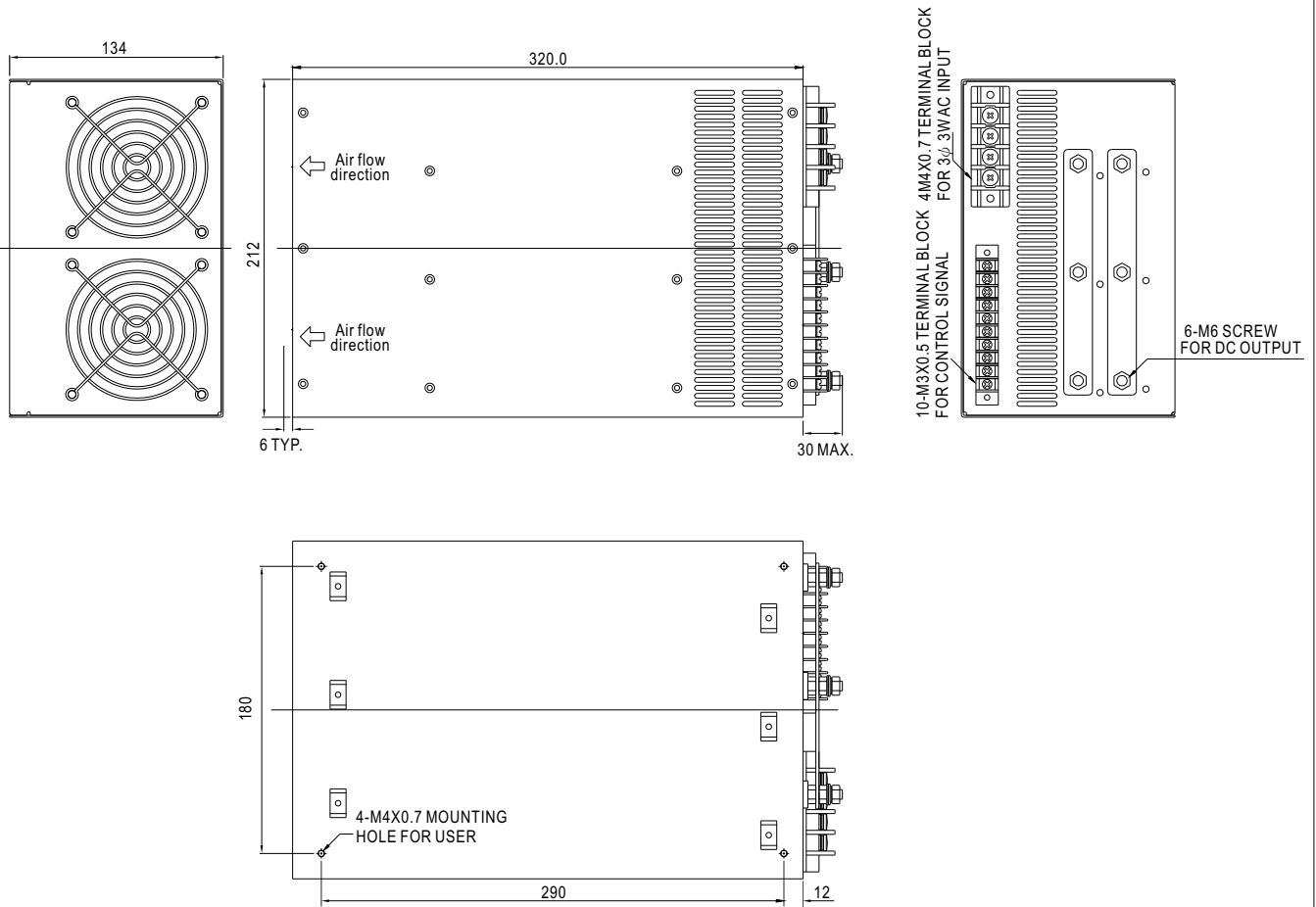
- AC input 200~260VAC, 3 $\phi$  3wires (other system available)
- Protections: Short circuit / Overload / Over voltage / Over temp.
- High reliability; Low ripple noise
- Built-in remote sense function
- Built-in remote ON-OFF control
- Built-in parallel operation function
- Can adjust from 20~100% output voltage by external control 1-5V
- Forced air cooling by built-in DC fan
- Case coating with paint
- 2 years warranty

Parallel

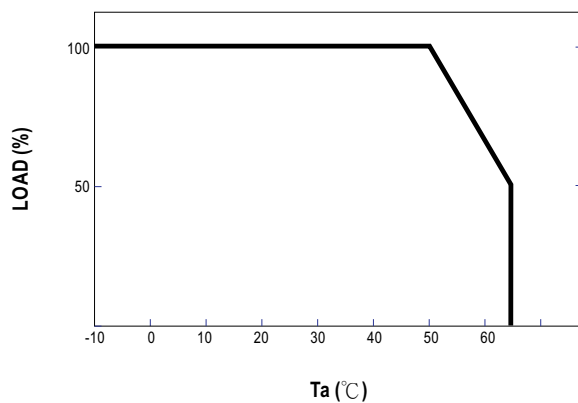
## SPECIFICATION

| SPECIFICATION             |                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                          |            |            |            |            |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|------------|------------|------------|------------|
| ORDER NO.                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                           | SCN-2K0-05                                                                                                               | SCN-2K0-12 | SCN-2K0-15 | SCN-2K0-24 | SCN-2K0-48 |
| OUTPUT                    | SAFETY MODEL NO.                                                                                                                                                                                                                                                                                                                                                                                                                                          | 2K0S-N005                                                                                                                | 2K0S-N012  | 2K0S-N015  | 2K0S-N024  | 2K0S-N048  |
|                           | DC VOLTAGE                                                                                                                                                                                                                                                                                                                                                                                                                                                | 5V                                                                                                                       | 12V        | 15V        | 24V        | 48V        |
|                           | RATED CURRENT                                                                                                                                                                                                                                                                                                                                                                                                                                             | 250A                                                                                                                     | 167A       | 134A       | 83.5A      | 42A        |
|                           | CURRENT RANGE                                                                                                                                                                                                                                                                                                                                                                                                                                             | 0 ~ 250A                                                                                                                 | 0 ~ 167A   | 0 ~ 134A   | 0 ~ 83.5A  | 0 ~ 42A    |
|                           | RATED POWER                                                                                                                                                                                                                                                                                                                                                                                                                                               | 1250W                                                                                                                    | 2004W      | 2010W      | 2004W      | 2016W      |
|                           | RIPPLE & NOISE (max.) Note.2                                                                                                                                                                                                                                                                                                                                                                                                                              | 150mVp-p                                                                                                                 | 180mVp-p   | 200mVp-p   | 240mVp-p   | 480mVp-p   |
|                           | VOLTAGE ADJ. RANGE                                                                                                                                                                                                                                                                                                                                                                                                                                        | 5.0% typical adjustment by potentiometer      20~100% adjustment by 1~5VDC external control                              |            |            |            |            |
|                           | VOLTAGE TOLERANCE Note.3                                                                                                                                                                                                                                                                                                                                                                                                                                  | 3.0%                                                                                                                     | 2.0%       | 2.0%       | 1.0%       | 1.0%       |
|                           | LINE REGULATION                                                                                                                                                                                                                                                                                                                                                                                                                                           | 0.5%                                                                                                                     | 0.5%       | 0.5%       | 0.5%       | 0.5%       |
| LOAD REGULATION           | 2.5%                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1.5%                                                                                                                     | 1.5%       | 0.5%       | 0.5%       |            |
| SETUP, RISE, HOLD UP TIME |                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 800ms, 50ms, 16ms at full load                                                                                           |            |            |            |            |
| INPUT                     | VOLTAGE RANGE                                                                                                                                                                                                                                                                                                                                                                                                                                             | 200 ~ 260VAC, 3 $\phi$ , 3wires                                                                                          |            |            |            |            |
|                           | FREQUENCY RANGE                                                                                                                                                                                                                                                                                                                                                                                                                                           | 47 ~ 63Hz                                                                                                                |            |            |            |            |
|                           | EFFICIENCY (Typ.)                                                                                                                                                                                                                                                                                                                                                                                                                                         | 78%                                                                                                                      | 84%        | 84%        | 85%        | 86%        |
|                           | AC CURRENT                                                                                                                                                                                                                                                                                                                                                                                                                                                | 10A / 230VAC                                                                                                             |            |            |            |            |
|                           | INRUSH CURRENT (max.)                                                                                                                                                                                                                                                                                                                                                                                                                                     | 120A / 230VAC                                                                                                            |            |            |            |            |
|                           | LEAKAGE CURRENT (max.)                                                                                                                                                                                                                                                                                                                                                                                                                                    | 5mA/ 240VAC                                                                                                              |            |            |            |            |
| PROTECTION                | OVERLOAD                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 110 ~ 135% rated output power<br>Protection type : Current limiting, delay shut down o/p voltage, re-power on to recover |            |            |            |            |
|                           | OVER VOLTAGE                                                                                                                                                                                                                                                                                                                                                                                                                                              | 110 ~ 135% follow to output set up point<br>Protection type : Shut down o/p voltage, re-power on to recover              |            |            |            |            |
|                           | OVER TEMPERATURE                                                                                                                                                                                                                                                                                                                                                                                                                                          | >100℃ / measure by heat sink, near transformer<br>Protection type : Shut down o/p voltage, re-power on to recover        |            |            |            |            |
|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                          |            |            |            |            |
| ENVIRONMENT               | WORKING TEMP.                                                                                                                                                                                                                                                                                                                                                                                                                                             | -10 ~ +65℃ (Refer to output load derating curve)                                                                         |            |            |            |            |
|                           | WORKING HUMIDITY                                                                                                                                                                                                                                                                                                                                                                                                                                          | 20% ~ 90% RH non-condensing                                                                                              |            |            |            |            |
|                           | STORAGE TEMP., HUMIDITY                                                                                                                                                                                                                                                                                                                                                                                                                                   | -20 ~ +85℃, 10 ~ 95% RH                                                                                                  |            |            |            |            |
|                           | TEMP. COEFFICIENT                                                                                                                                                                                                                                                                                                                                                                                                                                         | 0.04% / ℃ (0 ~ 50℃)                                                                                                      |            |            |            |            |
|                           | VIBRATION                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 10 ~ 200Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes                                                  |            |            |            |            |
| SAFETY & EMC<br>(Note. 4) | SAFETY STANDARDS                                                                                                                                                                                                                                                                                                                                                                                                                                          | Design refer to UL1950, CSA22.2, IEC60950                                                                                |            |            |            |            |
|                           | WITHSTAND VOLTAGE                                                                                                                                                                                                                                                                                                                                                                                                                                         | I/P-O/P:1500VAC, I/P-FG:1500VAC                                                                                          |            |            |            |            |
|                           | ISOLATION RESISTANCE                                                                                                                                                                                                                                                                                                                                                                                                                                      | I/P-O/P, I/P-FG, >100M Ohms / 500VDC / 25℃ / 70% RH                                                                      |            |            |            |            |
|                           | EMI CONDUCTION & RADIATION                                                                                                                                                                                                                                                                                                                                                                                                                                | Design refer to FCC part 15 class A                                                                                      |            |            |            |            |
|                           | HARMONIC CURRENT                                                                                                                                                                                                                                                                                                                                                                                                                                          | ----                                                                                                                     |            |            |            |            |
|                           | EMS IMMUNITY                                                                                                                                                                                                                                                                                                                                                                                                                                              | ----                                                                                                                     |            |            |            |            |
| OTHERS                    | MTBF                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 30khrs min. MIL-HDBK-217F (25℃)                                                                                          |            |            |            |            |
|                           | DIMENSION                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 320*212*134mm (L*W*H)                                                                                                    |            |            |            |            |
|                           | PACKING                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 9.0kg; 1pcs/ 10kg / CARTON                                                                                               |            |            |            |            |
|                           | SPECIAL FUNCTION                                                                                                                                                                                                                                                                                                                                                                                                                                          | DC voltage adj., Remote sensing, remote control, parallel operation (refer to terminal instruction manual)               |            |            |            |            |
| NOTE                      | 1.All parameters are specified at 230VAC input, rated load, 25℃ 70% RH ambient.<br>2.Tolerance: includes set up tolerance, line regulation, load regulation.<br>3.Ripple & noise are measured at 20MHz by using a 12" twisted pair terminated with a 0.1uf & 47uf capacitor.<br>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. |                                                                                                                          |            |            |            |            |

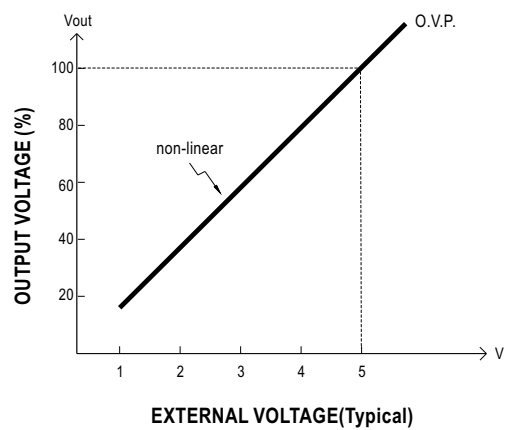
## Mechanical Specification



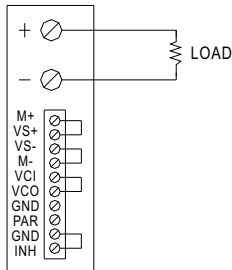
## Derating Curve



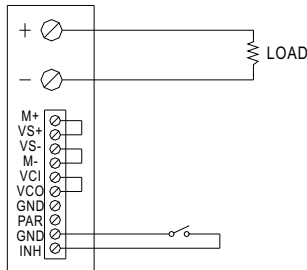
## External DC Control VS Output Voltage



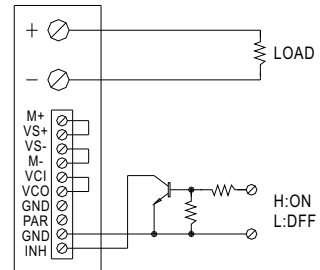
## Control terminal instruction manual



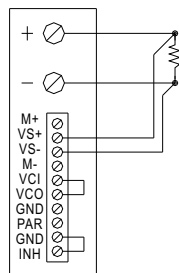
USING INTERNAL VOLTAGE CONTROL



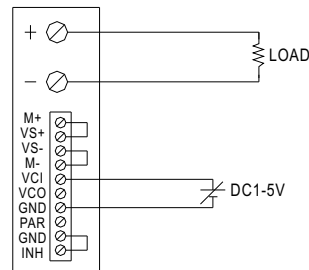
ON/OFF CONTROL SWITCH



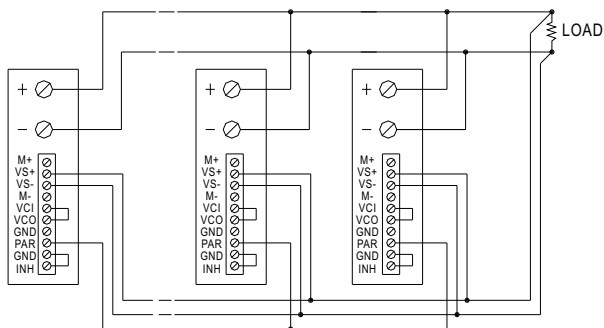
ON/OFF CONTROL BY TRANSISTOR



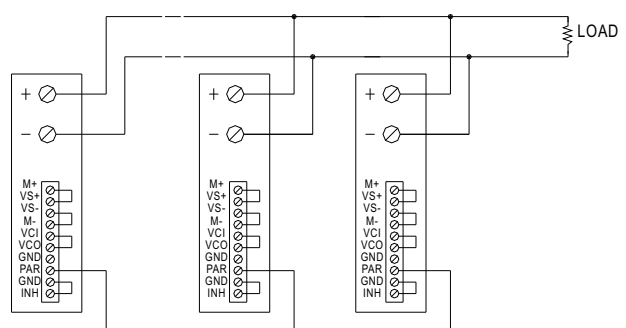
REMOTE SENSING



OUTPUT VOLTAGE ADJUST WITH DC 1-5V

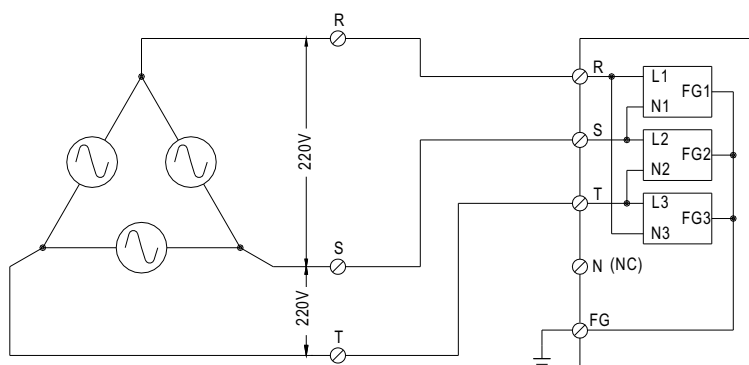


PARALLEL OPERATION WITH REMOTE SENSING

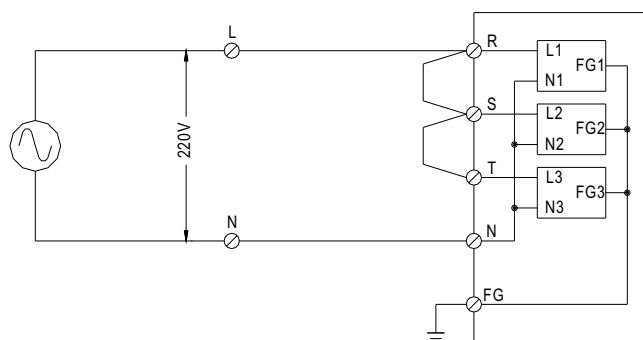


PARALLEL OPERATION

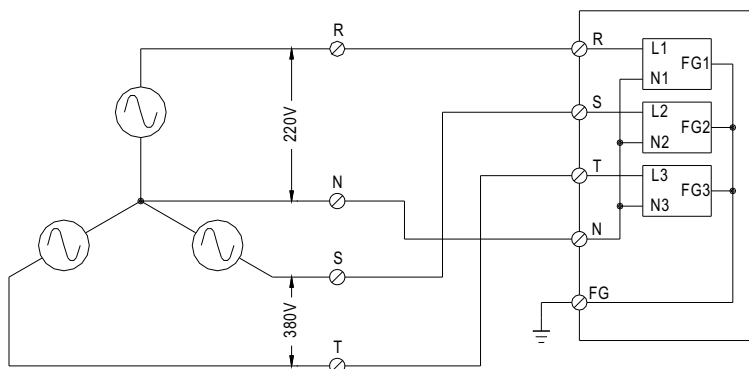
■ FIG. A: 3  $\phi$  3W 220VAC SYSTEM (STANDARD MODEL FOR STOCK)



■ FIG. B: 1  $\phi$  220VAC SYSTEM



■ FIG. C: 3  $\phi$  4W 220/380VAC SYSTEM



■ FIG. D: 3  $\phi$  4W 190/110VAC SYSTEM

