



## SE-4000W单组输出电源 SE-4000W Single output power supply

### 概述 Summary

- > 单组输出：功率4000W  
Single output: power 4000W
- > 输入电压:180~264VAC/245~370VAC 由开关切换  
Input voltage: 180~264VAC/245~370VDC

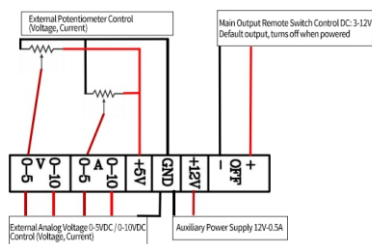


### 常见规格 General Specification

300 × 200 × 70mm

| 性能 Specification                        | 型号 Model | SE-4000-12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | SE-4000-24 | SE-4000-36 | SE-4000-48 | SE-4000-72 | SE-4000-96 | SE-4000-110 | SE-4000-150 | SE-4000-220 |
|-----------------------------------------|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------------|------------|------------|------------|-------------|-------------|-------------|
| 直流输出电压<br>Dc output voltage             |          | 12V                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 24V        | 36V        | 48V        | 72V        | 96V        | 110V        | 150V        | 220V        |
| 额定电流<br>Rated current                   |          | 290A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 166.7A     | 111A       | 83.3A      | 55.6A      | 41.7A      | 36.4A       | 26.7A       | 18.2A       |
| 电流范围<br>Current range                   |          | 0~290A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 0~166.7A   | 0~111A     | 0~83.3A    | 0~55.6A    | 0~41.7A    | 0~36.4A     | 0~26.7A     | 0~18.2A     |
| 额定功率<br>Rated Power                     |          | 4000W                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |            |            |            |            |            |             |             |             |
| 纹波和噪声 (最大)<br>Ripple & Noise(Max)       |          | 250mVp-p                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 270mVp-p   | 300mVp-p   | 400mVp-p   | 500mVp-p   | 600mVp-p   | 850mVp-p    | 900mVp-p    | 1000mVp-p   |
| 恒流范围<br>Constant current range          |          | 6~12V                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 12~24V     | 18~36V     | 24~48V     | 36~72V     | 48~96V     | 55~110V     | 75~150V     | 110~220V    |
| 电压精度<br>Voltage accuracy                |          | ± 1.0%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |            |            |            |            |            |             |             |             |
| 线路调整率<br>Line Regulation                |          | ± 1.0%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |            |            |            |            |            |             |             |             |
| 负载调整率<br>Load Regulation                |          | ± 1.0%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |            |            |            |            |            |             |             |             |
| 启动与上升时间<br>Startup & Rise Time          |          | 1500mS, 100mS/230V AC (满载) (Fully loaded)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |            |            |            |            |            |             |             |             |
| 电压范围<br>Voltage range                   |          | 180~264V AC/245~370VDC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |            |            |            |            |            |             |             |             |
| 频率范围<br>Frequency range                 |          | 45Hz~65Hz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |            |            |            |            |            |             |             |             |
| 功率因数<br>Power Factor                    |          | PF≥0.65/230V AC (满载) (Fully loaded)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |            |            |            |            |            |             |             |             |
| 效率<br>Efficiency                        |          | 83%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 86%        | 87%        | 89%        | 90%        | 90%        | 90%         | 91%         | 91%         |
| 交流电流<br>AC Current                      |          | <30A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |            |            |            |            |            |             |             |             |
| 漏电流<br>Leakage Current                  |          | <3.0mA/240V AC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |            |            |            |            |            |             |             |             |
| 短路保护<br>Short Circuit                   |          | 恒定电流 Enter constant current                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |            |            |            |            |            |             |             |             |
| 过温保护<br>Over temperature                |          | 关闭输出，并在温度下降后自动恢复或重启 Shut down the output, and automatically recover or restart after the temperature drops                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |            |            |            |            |            |             |             |             |
| 输出电压<br>Output voltage                  |          | 0~13.2V                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 0~26.4V    | 0~39.6V    | 0~52.8V    | 0~79.2V    | 0~105.6V   | 0~121V      | 0~165V      | 0~242V      |
| 输出恒流<br>Output constant current         |          | 0~290A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 0~166.74A  | 0~111A     | 0~83.3A    | 0~55.6A    | 0~41.7A    | 0~36.4A     | 0~26.7A     | 0~18.2A     |
| 外部电位器<br>External potentiometer         |          | 外部电位器控制 (电压、电流) External potentiometer control (voltage, current)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |            |            |            |            |            |             |             |             |
| 模拟电压控制<br>Analog voltage control        |          | 0~5V/0~10V控制 (电压、电流) 0~5V/0~10V control(voltage,current)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |            |            |            |            |            |             |             |             |
| 辅助电源<br>Auxiliary power supply          |          | 12V 0.5A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |            |            |            |            |            |             |             |             |
| 远程控制开关<br>Remote control switch         |          | 默认通电，高电平断电 (3V~12V) Default power on, high level power off (3V~12V)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |            |            |            |            |            |             |             |             |
| 工作温度<br>Operating temperature           |          | -20~+60℃                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |            |            |            |            |            |             |             |             |
| 工作湿度<br>Operating humidity              |          | -20~90%RH 无冷凝 -20~90%RH without condensation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |            |            |            |            |            |             |             |             |
| 存储温度/湿度<br>Storage temperature/humidity |          | -40~+85℃, 10~95%RH 无冷凝 without condensation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |            |            |            |            |            |             |             |             |
| 抗振动能力<br>Vibration resistance           |          | 10~500Hz 2G加速度，每周10分钟，X、Y、Z轴各60分钟。10~500Hz, 2G 10 minutes/cycle, 60 minutes for each of X, Y and Z axes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |            |            |            |            |            |             |             |             |
| 绝缘电阻<br>Insulation resistance           |          | Input to output: 100Mhms/500VDC/25℃/70%RH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |            |            |            |            |            |             |             |             |
| 耐压强度<br>Pressure resistance             |          | I/P~O/P:1.2KV AC I/P~FG:1.2KV AC O/P~FG:0.5KV AC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |            |            |            |            |            |             |             |             |
| 尺寸<br>Dimension                         |          | 300 × 200 × 70mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |            |            |            |            |            |             |             |             |
| 重量<br>Weight                            |          | 4.1kg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |            |            |            |            |            |             |             |             |
| 注意<br>Remark                            |          | <ol style="list-style-type: none"><li>所有参数均在230V交流输入电压、额定负载及25℃条件下测量，除非另有说明。</li><li>纹波及噪声电压的测量需使用20MHz带宽示波器，并在12英寸双绞线末端并联0.1μF和47μF电容，测量带宽为20MHz。</li><li>精度包含设定误差、线性调整率及负载调整率。</li><li>低输入电压条件下需对输出功率进行降额，具体请参考静态特性曲线。</li><li>启动时间为冷启动（完全断电后首次启动）条件下测得，频繁开关机可能导致启动时间延长。</li></ol> <ol style="list-style-type: none"><li>All parameters are measured at 230VAC input voltage, rated load and 25℃ unless otherwise specified.</li><li>Ripple and noise voltage are measured with a 20MHz bandwidth oscilloscope with 0.1μF and 47μF capacitors added to the end of a 12-inch twisted pair, and measured at 20MHz bandwidth.</li><li>Accuracy: includes setting error, linear regulation rate and load regulation rate.</li><li>Output must be derated in low input voltage conditions, please refer to the static characteristic curve for details.</li><li>Startup time is measured under cold start, and frequent switching may increase the startup time.*</li></ol> |            |            |            |            |            |             |             |             |

### 外形尺寸 Overall dimension(mm)



Static characteristic curve diagram

