



特点

- 单相或两相超宽输入范围180~550VAC
- 内置主动式PFC
- 内置DC OK继电器触点
- 保护:短路/过载/过压/过温
- 内置恒流限制电路
- 高效率91%，低功耗
- 三年保修

Features

- Single or Two Phase Ultra Wide Input Range 180~550VAC
- Built-in Active PFC Circuit
- Built-in DC OK Contact
- Protection: Short Circuit/Overload/Over Voltage/Over Temperature
- Bulit-in Constant Current Limiting Circuit
- High Efficiency 91% and Lower Power Dissipation
- Three Years Warranty

规格参数 Specification

| 品名<br>Product name | DPS1-WI-240W-D24-02A(H) | DPS1-WI-240W-D48-02A(H) |
|--------------------|-------------------------|-------------------------|
|--------------------|-------------------------|-------------------------|

输入参数 Input Parameter

|                                 |                          |  |
|---------------------------------|--------------------------|--|
| 输入电压范围<br>Input voltage range   | 180 ~ 550VAC 254 ~780VDC |  |
| 输入频率范围<br>Input frequency range | 47...63Hz                |  |
| 输入电流<br>Input Current           | 1A/400Vac<br>2A/230Vac   |  |
| 冲击电流<br>Impulse current         | 冷启动50A<br>COLD START 50A |  |
| 待机功耗<br>Power consumption       | 6W                       |  |
| 接线方式<br>Connection mode         | 接线端子<br>Terminal blocks  |  |

输出参数 Output Parameter

|                                            |                                                                       |        |
|--------------------------------------------|-----------------------------------------------------------------------|--------|
| 输出效率<br>Output efficiency                  | 91%                                                                   |        |
| 额定输出电压<br>Output rated voltage             | 24V                                                                   | 48V    |
| 输出电压可调节范围<br>Range of output voltage       | 24~28V                                                                | 48~55V |
| 额定输出电流<br>Output rated current             | 10A                                                                   | 5A     |
| 额定输出功率<br>Rated power                      | 240W                                                                  |        |
| 电压纹波输出(20MHz)<br>Voltage ripple (20MHz)    | 150mVp-p                                                              |        |
| 启动，上升时间<br>Setup , Rise time               | 800ms, 150ms/400Vac at full load<br>1500ms, 150ms/230Vac at full load |        |
| 线性调节率<br>Line regulation                   | ±0.5%                                                                 |        |
| 负载调节率<br>Load regulation                   | ±1.0%                                                                 |        |
| 漏电流<br>Leakage current                     | <3.5mA / 530Vac                                                       |        |
| 温度漂移系数<br>Coefficient of temperature drift | ±0.03%/°C(0~50°C)                                                     |        |
| 掉电保持时间<br>Power-down hold time             | 18ms/400Vac at full load<br>18ms/230Vac at full load                  |        |
| 开关频率<br>Switching frequency                | 50Khz~80Khz                                                           |        |
| 接线方式<br>Connection mode                    | 接线端子<br>Terminal blocks                                               |        |

|                    |                         |                         |
|--------------------|-------------------------|-------------------------|
| 品名<br>Product name | DPS1-WI-240W-D24-02A(H) | DPS1-WI-240W-D48-02A(H) |
|--------------------|-------------------------|-------------------------|

机械参数 Mechanical Parameter

|                                   |                                                                                          |
|-----------------------------------|------------------------------------------------------------------------------------------|
| 尺寸(L x W x D)<br>Size (L X W X D) | 63×113.5×125mm                                                                           |
| 重量<br>Weight                      | 1kg                                                                                      |
| 外壳材质<br>Shell material            | 金属<br>Metal                                                                              |
| DC 指示灯<br>DC light                | OK                                                                                       |
| DC OK 继电器<br>DC OK contact        | 60VDC 0.3A, 30VDC 1A, 30VAC 0.5A 阻性负载<br>60VDC 0.3A, 30VDC 1A, 30VAC 0.5A resistive load |

环境参数 Environmental Parameter

|                                |                                                                                                                                                                                    |
|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 工作温度<br>Working temperature    | -30~+70 °C (参考“减额曲线”)<br>-30 ~ +70 °C (Refer to "Derating Curve")                                                                                                                  |
| 存储温度<br>Storage temperature    | -40°C ~ + 85°C                                                                                                                                                                     |
| 存储湿度<br>Storage humidity       | 10~95%RH非冷凝<br>10 ~ 95% RH non-condensing                                                                                                                                          |
| 工作湿度<br>Working humidity       | 20~95%RH非冷凝<br>20 ~ 95% RH non-condensing                                                                                                                                          |
| 振动测试<br>Vibration test         | 组件：10~500Hz，2G 10min/1个周期，60分钟。每个沿着X、Y和Z轴；安装夹：符合IEC60068-2-6。<br>Component: 10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X,Y Z axes; Mounting clip: Compliance to IEC60068-2-6. |
| 运行海拔高度<br>Operational altitude | 2000米<br>2000m                                                                                                                                                                     |

安全保护参数 Security Parameter

|                                        |                                                                                                                                                                                                                                    |        |
|----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| 过流保护范围<br>Overcurrent protection range | 105~130%额定输出功率保护类型：恒流限制，3秒后机组停机，如果故障条件消除，1分钟后自动恢复。<br>105 ~ 130% rated output power Protection type : Constant current limiting, unit will shut down after 3 sec., auto-recovery after 1 minute if the fault condition is removed. |        |
| 过压保护<br>Overvoltage protection         | 29~33V                                                                                                                                                                                                                             | 56~65V |
|                                        | 保护类型：关闭o/p电压，如果故障条件消除，1分钟后自动恢复。<br>Protection type: Shut down o/p voltage, auto-recovery after 1 minute if the fault condition is removed.                                                                                         |        |
| 过温保护<br>Overheat protection            | 电源开关散热器上的90°C+5°C (TSW) 检测。保护类型：关闭o/p电压，温度下降后自动恢复。<br>90 °C±5°C (TSW) detect on heat sink of power switch.Protection type : Shut down o/p voltage, recovers automatically after temperature goes down.                             |        |
| 短路保护<br>Short circuit protection       | 自恢复<br>Self-recovery                                                                                                                                                                                                               |        |
| 安全标准<br>Safety standard                | UL61010-1.UL61010-2:201,BS EN/EN62368-1                                                                                                                                                                                            |        |
| 平均故障间隔时间<br>Mean Time between failures | 900K hrs min. Telcordia SR-332 (Bellcore)                                                                                                                                                                                          |        |

产品尺寸图 Dimensional Drawing

