

JWDC 整机工控电源系列--150W 单路输出

JWDC Switching Power Supply Series--150W Single Output

典型性能 Typical Performance

- ◆外形尺寸: 200*98*40 (mm)
Dimension: 200*98*40 (mm)
- ◆宽输入电压范围
Wide range input voltage
- ◆高效率、高功率密度、低纹波
High efficiency、High power density、Low ripple & noise
- ◆低漏电流、过流恒流保护
Low leakage current, Over current protection with constant current
- ◆金属外壳, 八面屏蔽,
Metal shell, Eight face shield
- ◆安规: EN60950
Ann rules: EN60950

输入特性 Input Features



| | | |
|-------------------------------|-------------------------------|------------|
| 输入电压范围 Input voltage range | 标称 48V Nominal voltage12V | 24~70VDC |
| | 标称 105V Nominal voltage24V | 30~180VDC |
| | 标称 225V Nominal voltage48V | 70~380VDC |
| | 标称 575V Nominal voltage48V | 350~800VDC |
| | 标称 48V Nominal voltage48V | |

输出特性 Output Features

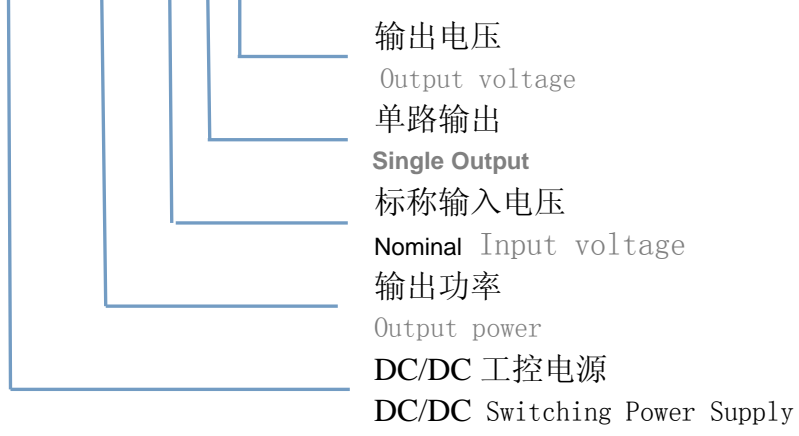
| | | |
|---------------------------------------|--|--|
| 输出电压精度 Voltage tolerance | 标称电压 Nominal voltage | $\cong \pm 1\%$ (3.3V、5V $\cong \pm 2\%$) |
| 电压调整率 Line regulation (full load) | 输入电压从低端到高端变化 Change of input voltage from lowend to highend | $\cong \pm 0.5\%$ |
| 可调范围 Adjustment range | | $\pm 10\%$ |
| 负载调整率 Load regul | 20%~100%负载变化 20%~100% Load change | $V_O \cong \pm 0.5\%$ |
| 纹波噪声 Ripple&Noise | 20M 带宽 20M Bandwidth | $\cong 1\%$ |
| 温度系数 Temperature coefficient | | $\pm 0.02\%/^{\circ}\text{C}$ |
| 过流保护 Output overcircuit Protection | 恒流保护 constant current | 115~150%额定电流,自恢复 115~150%rated output circuit,auto recovery |
| 短路保护 Short Circuit Protection | | 长期, 自恢复 Long-term,auto recovery |
| 过冲幅度 Overshoot | 25%额定负载变化 25% rated load change | $\cong 25\mu\text{S}$ |
| | $\Delta V_{01} / V_{01}$ | $\cong \pm 5.0\%$ |

一般特性 General Features

| | | |
|-------------------------------|---|------------------------------|
| 隔离耐压 Withstand voltage | 输入对输出、输入对地 I/P-O/P、I/P-F/G | 2500VAC |
| | 输出对地 O/P -F/G (1分钟, 漏电流 $\cong 2\text{mA}$) (1Mintute leakage current) $\cong 2\text{mA}$) | 500VAC |
| 绝缘电阻 Isolation resistance | 500V | $\cong 50\text{M}\Omega$ |
| MTBF | 环境 25°C Environment 25°C | $2.0 \times 10^5 \text{Hrs}$ |
| 工作温度 Operating temperature | 55°C以上降额使用 Above 55°C derating make | -25°C~70°C (-40°C~70°C) |
| 储存温度 Storage temperature | | -40°C~85°C |
| 工作相对湿度 Operating humidity | 无凝露及结冰现象 (non condensing) | 10%~90%RH |
| 储存相对湿度 Storage humidity | 无凝露及结冰现象 (non condensing) | 5%~95%RH |
| 冷却方式 Cooling method | | 自然冷却 Convection |

命名方式 Naming Rules

JWDK150-48S5



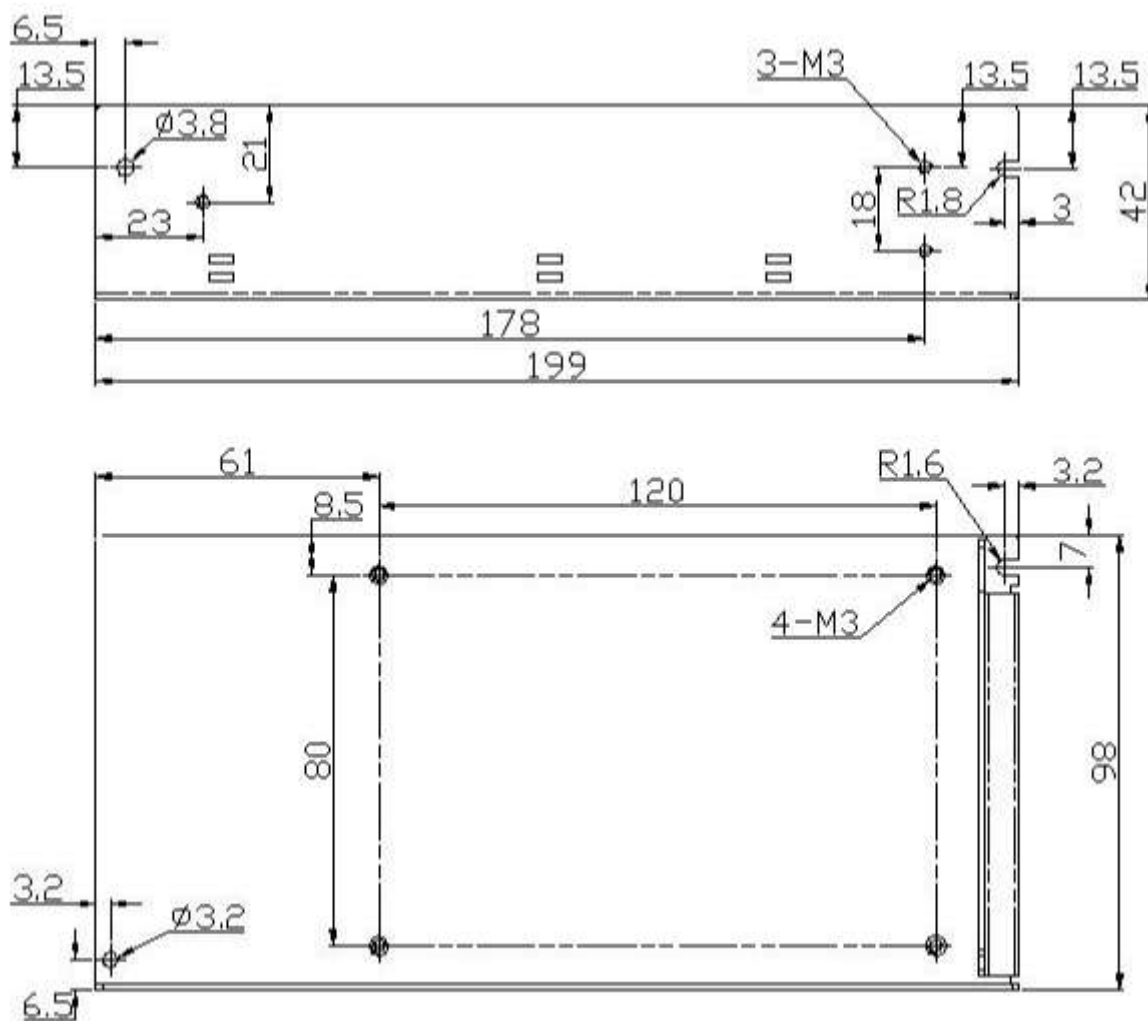
产品选型 Product selection

| 产品型号 Model No. | 输入电压范围 Input voltage V_{in} | 输出电压 Output voltage V_o | 输出电流 Output current I_o | 纹波噪声 R & N $V_{(P-P)mV}$ | 效率 Efficiency |
|-------------------|-------------------------------------|---------------------------------|---------------------------------|--------------------------------|------------------|
| JWDK150--48S5 | 24~70V | 5V | 30.0A | 100 | 78% |
| JWDK150--48S12 | | 12V | 12.5A | 120 | 82% |
| JWDK150--48S24 | | 24V | 6.3A | 150 | 84% |
| JWDK150--105S5 | 30~180V | 5V | 30.0A | 100 | 78% |
| JWDK150--105S12 | | 12V | 12.5A | 120 | 82% |
| JWDK150--105S24 | | 24V | 6.3A | 150 | 84% |
| JWDK150--225S5 | 70~380V | 5V | 30.0A | 100 | 78% |
| JWDK150--225S12 | | 12V | 12.5A | 120 | 83% |
| JWDK150--225S24 | | 24V | 6.3A | 150 | 85% |
| JWDK150--575S5 | 350~800V | 5V | 30.0A | 100 | 78% |
| JWDK150--575S12 | | 12V | 12.5A | 120 | 83% |
| JWDK150--575S24 | | 24V | 6.3A | 150 | 85% |

注：因篇幅有限，以上只是部分产品列表，若需列表以外产品，请与本公司销售部联系。

Note: Due to space limitations, the above list is only for some products, If other than a list of products, please contact the Company's sales department.

安装尺寸图 Mechanical Data



注：电源安装尺寸如与选型手册不符，请以实物尺寸为准。

Note: Power mechanical data does not match with the hand book, Please refer to product size.