



DC/DC 整机工控电源

JWDC 整机工控电源系列--35W 单路输出

JWDC Switching Power Supply Series--35W Single Output

典型性能 Typical Performance

- ◆外形尺寸: 110*78*36 (mm)
Dimension: 110*78*36 (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 voltage 12V	24~70VDC
	标称 105V Nominal voltage 24V	30~180VDC
	标称 225V Nominal voltage 48V	70~380VDC
	标称 575V Nominal voltage 48V	350~800VDC

输出特性 Output Features

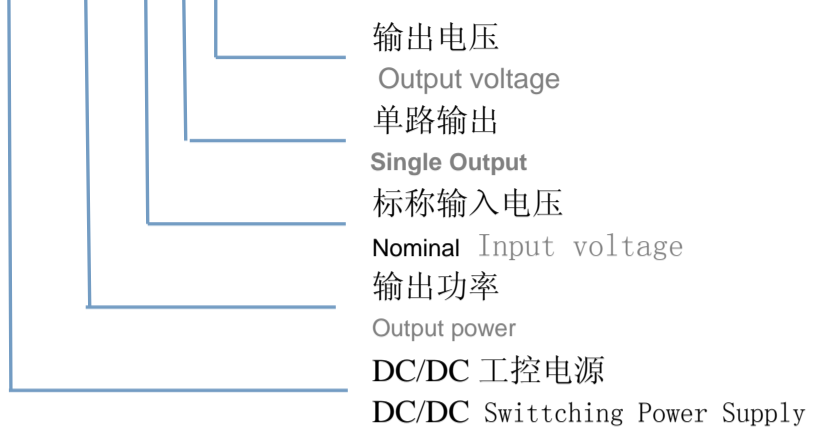
输出电压精度 Voltage tolerance	标称电压 Nominal voltage	$\leq \pm 1\%$ ($5V \leq \pm 2\%$)
电压调整率 Line regulation (full load)	输入电压从低端到高端变化 Change of input voltage from lowend to highend	$\leq \pm 0.5\%$
可调范围 Adjustment range		$\pm 10\%$
负载调整率 Load regul	20%~100%负载变化 20%~100% Load change	$V_O \leq \pm 0.5\%$
纹波噪声 Ripple&Noise	20M 带宽 20M Bandwidth	$\leq 1\%$
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	$\leq 25\mu\text{S}$
	$\Delta V_{O1} / V_{O1}$	$\leq \pm 5.0\%$

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 输出对地 O/P -F/G (1分钟, 漏电流 $\leq 2\text{mA}$) (1Mintute leakage current) $\leq 2\text{mA}$)	2500VAC 500VAC
绝缘电阻 Isolation resistance	500V	$\geq 50\text{M}\Omega$
MTBF	环境 25°C Environment 25°C	2.0×10^5 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

JWDK35-48 S 5



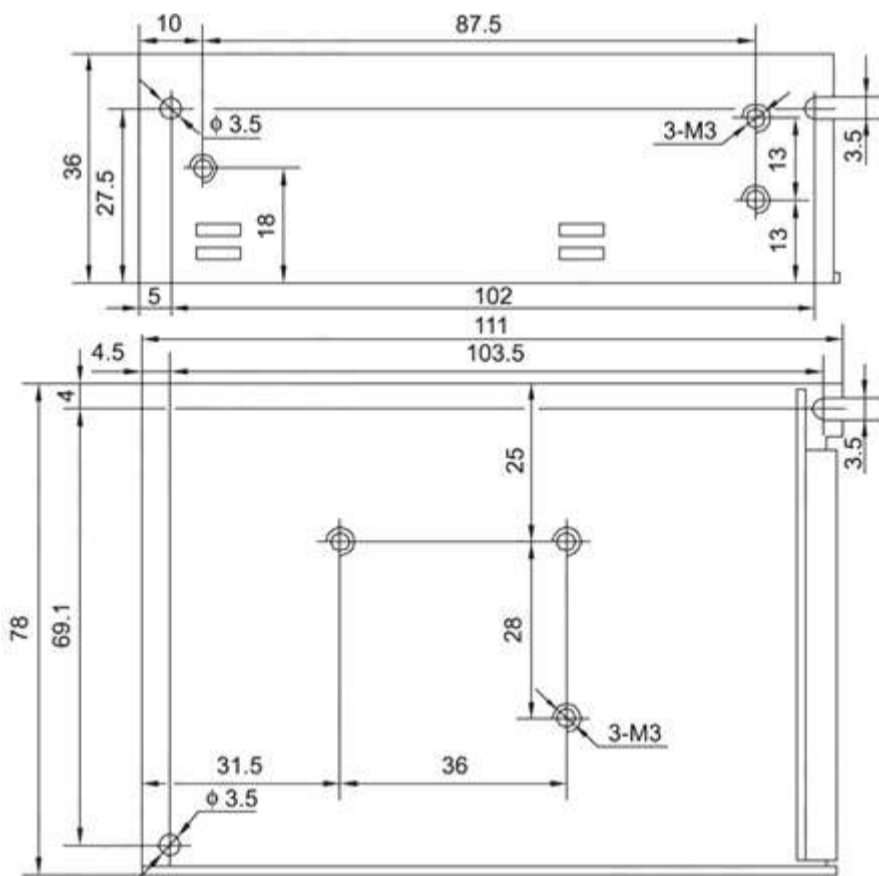
产品选型 Product selection

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
JWDK35-48S5	24~70V	5V	7.0A	100	76%
JWDK35-48S12		12V	2.9A	120	78%
JWDK35-48S24		24V	1.5A	150	80%
JWDK35-105S5	30~180V	5V	7.0A	100	77%
JWDK35-105S12		12V	2.9A	120	79%
JWDK35-105S24		24V	1.5A	150	82%
JWDK35-225S5	70~380V	5V	7.0A	100	77%
JWDK35-225S12		12V	2.9A	120	79%
JWDK35-225S24		24V	1.5A	150	82%
JWDK35-575S5	350~800V	5V	7.0A	100	77%
JWDK35-575S12		12V	2.9A	120	80%
JWDK35-575S24		24V	1.5A	150	83%

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.