



# DC/DC 整机工控电源

## JWDC 整机工控电源系列--75W 双路输出

JWDC Switching Power Supply Series--75W dual Output

### 典型性能 Typical Performance

- ◆外形尺寸: 160\*98\*40 (mm)  
Dimension: 160\*98\*40 (mm)
- ◆宽输入电压范围 (2: 1 输入电压范围)  
Wide range input voltage (2: 1 range input voltage)
- ◆高效率、高功率密度、低纹波  
High efficiency、High power density、Low ripple & noise
- ◆105°C长寿命电解电容  
105°C long life electrolytic capacitors
- ◆高可靠性、三年保修  
High reliability、three-year warranty
- ◆安规: EN60950  
Ann rules: EN60950



### 输入特性 Input Features

输入电压范围 Input voltage range	标称 12V: Nominal voltage12V	9.5~18VDC
	标称 24V Nominal voltage24V	18~36VDC
	标称 48V Nominal voltage48V	36~72VDC
	标称 110V Nominal voltage110V	66~160VDC

### 输出特性 Output Features

输出电压精度 Voltage tolerance	标称电压 Nominal voltage	$V_{01} \cong \pm 1\%$ (3.3V、5V $\cong \pm 2\%$ ), $V_{02} \cong \pm 5\%$
电压调整率 Line regulation	输入电压从低端到高端变化 Change of input voltage from lowend to highend	$V_{01} \cong \pm 0.5\%$ , $V_{02} \cong \pm 1.5\%$
负载调整率 Load regul	20%~100%负载变化 20%~100% Load change	$V_{01} \cong \pm 0.5\%$ , $V_{02} \cong \pm 3\%$
温度系数 Temperature coefficient		$\pm 0.02\%/^{\circ}\text{C}$
过功率保护 Output overload Protection		115~150%额定电流,自恢复 115~150%rated output powerl,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	$\cong 25\mu\text{S}$
	$\Delta V_{01} / V_{01}$	$\cong \pm 5.0\%$

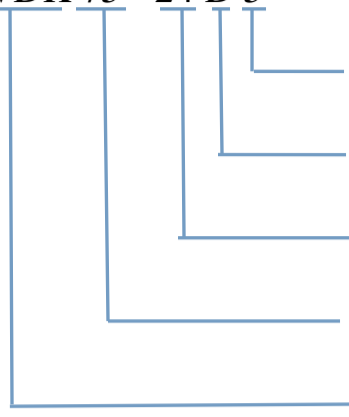
### 一般特性 General Features

隔离耐压 Withstand voltage	输入对输出、输入对地 I/P-O/P、I/P-F/G	1500VAC
	输出对地 O/P -F/G	500VAC
	输出对输出(隔离) O/P-O/P( (1分钟,漏电流 $\cong 5\text{mA}$ ) (1Mintute leakage current) $\cong 5\text{mA}$ )	500VDC

绝缘电阻 Isolation resistance	500V	$\cong 50\text{M}\Omega$
MTBF	环境 25°C Environment 25°C	2.0*10 <sup>5</sup> 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

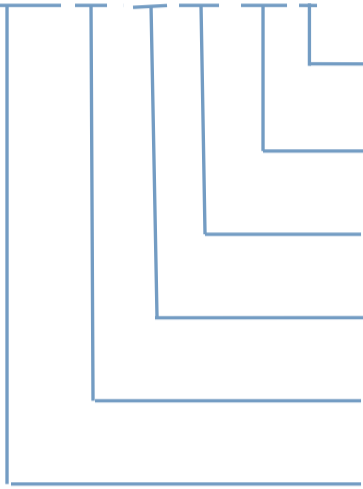
命名方式 Naming Rules

JWDK 75 - 24 D 5



输出电压  
Output voltage  
双路共地输出  
Dual common-GND output  
标称输入电压  
Nominal Input voltage  
输出功率  
Output power  
DC/DC 工控电源  
DC/DC Switching Power Supply

JWDK 75- 24 S5 S12 I



隔离输出  
Isolate output  
输出电压  $V_{O2}$   
Output voltage  $V_{O2}$   
输出电压  $V_{O1}$   
Output voltage  $V_{O1}$   
标称输入电压  
Nominal Input voltage  
输出功率  
Output power  
DC/DC 工控电源  
DC/DC Switching Power Supply

产品选型 Product selection

产品型号 Model No.	输入电压 Input voltage $V_{in}$	输出电压 Output voltage $V_O$	输出电流 Output current $I_o$	输出电压精度 Output voltage tolerance	纹波噪声 R&N $V_{(P-P)mV}$	效率 Efficiency	
JWDK75--12D5	9.5~18V	+5V	0.5~7.5A	±2%	80mV	78%	
JWDK75--12D12		-5V	0.5~7.5A	±5%	100mV		
JWDK75--12D24		+12V	0.3~3.2A	±1%	120mV	82%	
JWDK75--12S5S5I		-12V	0.3~3.2A	±3%	120mV		
JWDK75--12S5S12I		+24V	0.1~1.6A	±1%	150mV	84%	
JWDK75--12S12S5I		-24V	0.1~1.6A	±3%	150mV		
JWDK75--12S24S5I		+5V	1.0~12.0A	±2%	80mV	78%	
JWDK75--12S24S5I		+5V	0.3~3.0A	±5%	100mV		
JWDK75--24D5		18~36V	+5V	1.0~6.0A	±2%	80mV	79%
JWDK75--24D12			+12V	0.3~4.0A	±3%	100mV	
JWDK75--24D24			+12V	1.0~6.0A	±1%	120mV	80%
JWDK75--24S5S5I			+5V	0.1~1.0A	±5%	100mV	
JWDK75--24S5S12I	+24V		1.0~3.0A	±1%	150mV	82%	
JWDK75--24S12S5I	+5V		0.1~1.0A	±5%	100mV		
JWDK75--24S24S5I	+5V		1.0~3.0A	±2%	80mV	78%	
JWDK75--24S24S5I	+5V		0.2~2.0A	±5%	100mV		
JWDK75--48D5	36~72V		+5V	0.5~5.0A	±2%	80mV	78%
JWDK75--48D12			-5V	0.5~5.0A	±5%	100mV	
JWDK75--48D24			+12V	0.2~2.1A	±1%	100mV	82%
JWDK75--48S5S5I			-12V	0.2~2.1A	±3%	100mV	
JWDK75--48S5S12I		+24V	0.1~1.0A	±1%	150mV	84%	
JWDK75--48S12S5I		-24V	0.1~1.0A	±3%	150mV		
JWDK75--48S24S5I		+5V	0.5~5.0A	±2%	80mV	78%	
JWDK75--48S24S5I		+5V	0.2~2.0A	±5%	100mV		
JWDK75--48S5S5I		+5V	0.5~5.0A	±2%	80mV	79%	
JWDK75--48S5S12I		+12V	0.1~1.0A	±5%	100mV		
JWDK75--48S5S12I		+12V	0.4~3.5A	±1%	120mV	80%	
JWDK75--48S5S12I		+5V	0.1~1.0A	±5%	100mV		
JWDK75--48S5S12I	+24V	0.2~1.5A	±1%	150mV	82%		
JWDK75--48S5S12I	+5V	0.1~1.0A	±5%	100mV			

JWDK75--48S12S5I		+12V	1.0~6.0A	±1%	120mV	80%
		+5V	0.1~1.0A	±5%	100mV	
JWDK75--48S24S5I		+24V	1.0~3.0A	±1%	150mV	82%
		+5V	0.1~1.0A	±5%	100mV	
JWDK75--110D5	66~160V	+5V	0.5~7.5A	±2%	80mV	79%
		-5V	0.5~7.5A	±5%	100mV	
JWDK75--110D12		+12V	0.3~3.2A	±1%	120mV	83%
		-12V	0.3~3.2A	±3%	120mV	
JWDK75--110D24		+24V	0.1~1.6A	±1%	150mV	85%
		-24V	0.1~1.6A	±3%	150mV	
JWDK75--110S5S5I		+5V	1.0~12.0A	±2%	80mV	79%
		+5V	0.3~3.0A	±5%	100mV	
JWDK75--110S5S12I		+5V	1.0~6.0A	±2%	80mV	80%
		+12V	0.3~4.0A	±3%	100mV	
JWDK75--110S12S5I		+12V	1.0~6.0A	±1%	120mV	81%
		+5V	0.1~1.0A	±5%	100mV	
JWDK75--110S24S5I		+24V	1.0~3.0A	±1%	150mV	83%
		+5V	0.1~1.0A	±5%	100mV	

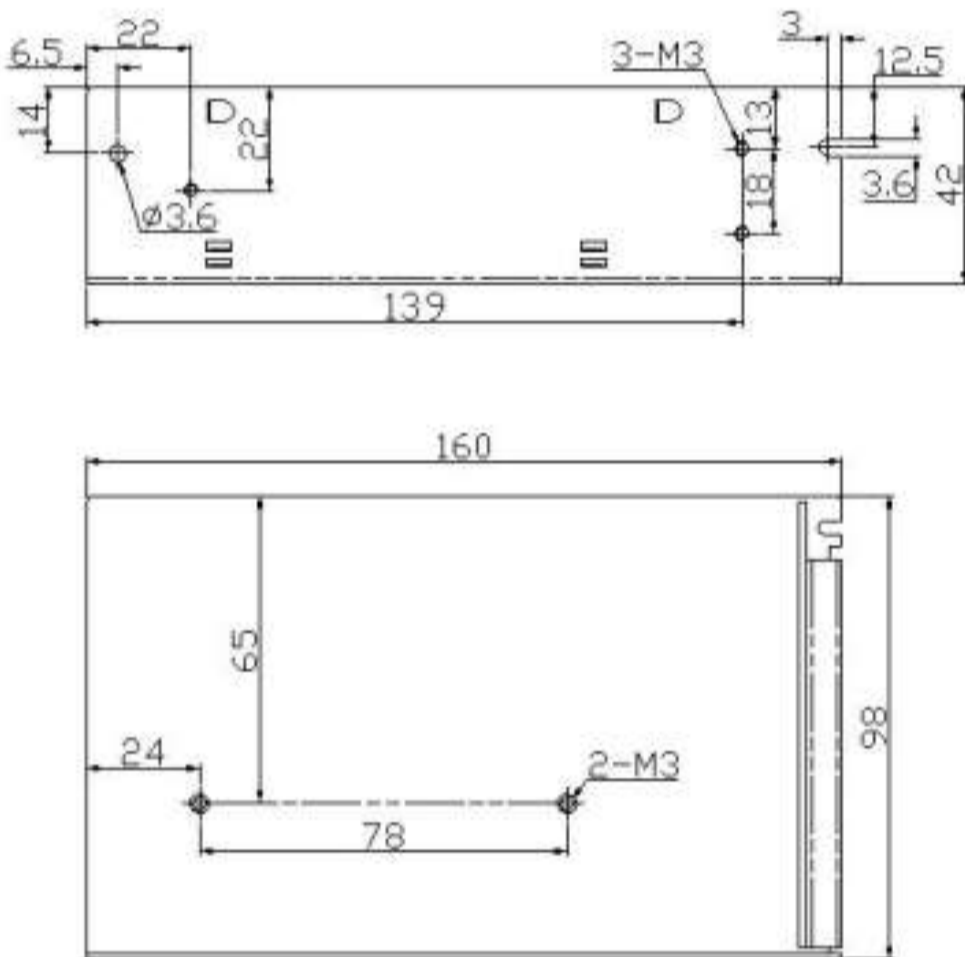
注：1、纹波噪声测试方法：使用一根 12” 双绞线，在终端并联 0.1uF 和 47uF 电容，在 20MHz 带宽下测试。

2、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: 1、Ripple & noise are measured at 20MHz of bandwidth by using a 12”twisted pair-wire terminated with a 0.1uF & 47uF parallel capacitor

2、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 MechanicalData



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.