



# AC/DC 整机工控电源

## JWAK 整机工控电源小型外壳系列--15W 单路输出

JWAK Switching Power Supply X package Series—15W Single Output

### 典型性能 Typical Performance

- ◆ 外形尺寸: 85\*53\*37.5 (mm)  
Dimension: 85\*53\*37.5 (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
- ◆ 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	W:85~265VAC 120~370VDC N:165~265VAC 230~370VDC	110VAC 220VAC
输入电压频率 Input voltage frequency		47~63Hz
输入冲击电流 Inrush current	230VAC 冷启动 230VAC Cold start,	≦ 20A

### 输出特性 Output Features

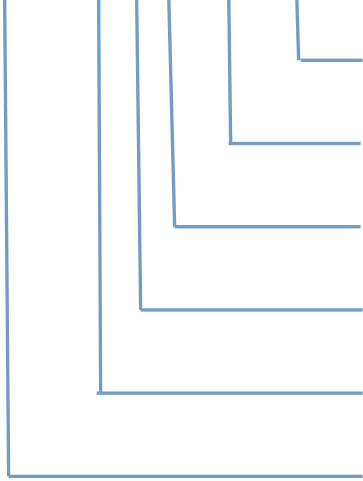
输出电压精度 Voltage tolerance	标称电压 Nominal voltage	≦ ±1% (3.3V、5V ≦ ±2%)
电压调整率 Line regulation (full load)	输入电压从低端到高端变化 Change of input voltage from lowend to highend	≦ ±0.5%
负载调整率 Load regul	20%~100%负载变化 20%~100% Load change	$V_O \equiv \pm 0.5\%$
温度系数 Temperature coefficient		±0.02%/°C
过流保护 Output over current Protection		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
效率 Efficiency	输入标称电压、满载 Input rated voltage、full load	75% (典型值) 75%(typical)
启动时间 Rise time	220VAC 满载 220VAC full load	500mS (典型值) 500ms (typical)
保持时间 Hold up time	220VAC 满载 220VAC full load	80mS (典型值) 80ms (typical)

### 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 ≦ 5mA ) (1Mintute ,leakage current) ≦ 5mA)	1500VAC 500VAC
绝缘电阻 Isolation resistance	500V	≧ 50MΩ
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

JWAK- 15 S 5 W(N)X



- 小型外壳  
Smaller shell
- 输入电压范围 (W:85~265V, N:165~265V)  
Input voltage range (W:85~265V, N:165~265V)
- 输出电压  
Output voltage
- 单路输出  
Single Output
- 输出功率  
Output power
- AC/DC 工控电源  
AC/DC Switching Power Supply

## 产品选型 Product selection

产品型号 Model No.	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
JWAK-15S3.3W(N)X	3.3V	0~4.5A	±2%	80mV	72%
JWAK-15S5W(N)X	5V	0~3.0A	±2%	80mV	77%
JWAK-15S12W(N)X	12V	0~1.3A	±1%	100mV	80%
JWAK-15S15W(N)X	15V	0~1.0A	±1%	100mV	81%
JWAK-15S24W(N)X	24V	0~0.6A	±1%	150mV	82%
JWAK-15S48W(N)X	48V	0~0.3A	±1%	200mV	84%

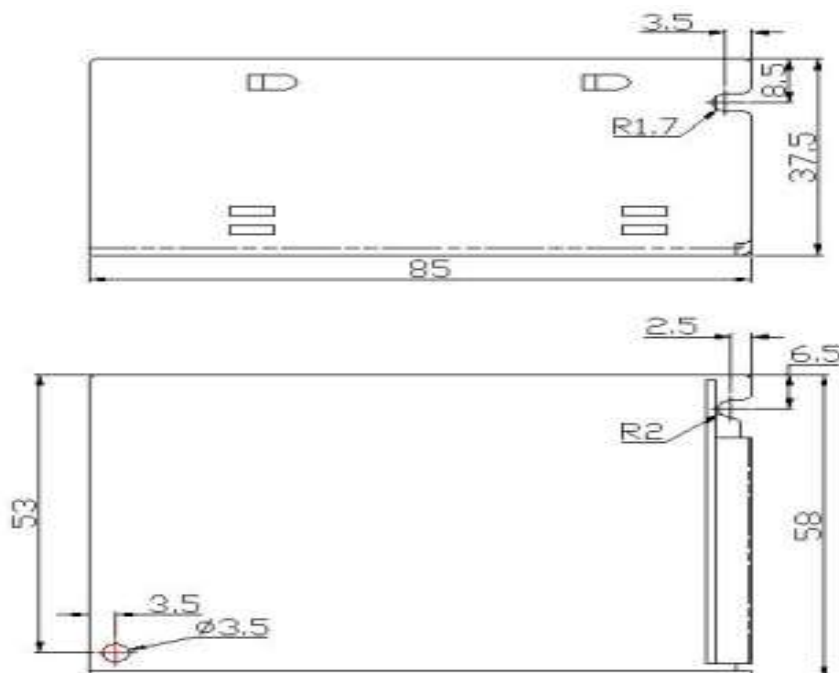
注：1、纹波噪声测试方法：使用一根 12" 双绞线，在终端并联 0.1uF 和 47uF 电容，在 20MHz 带宽下测试。

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 Mechanical Data



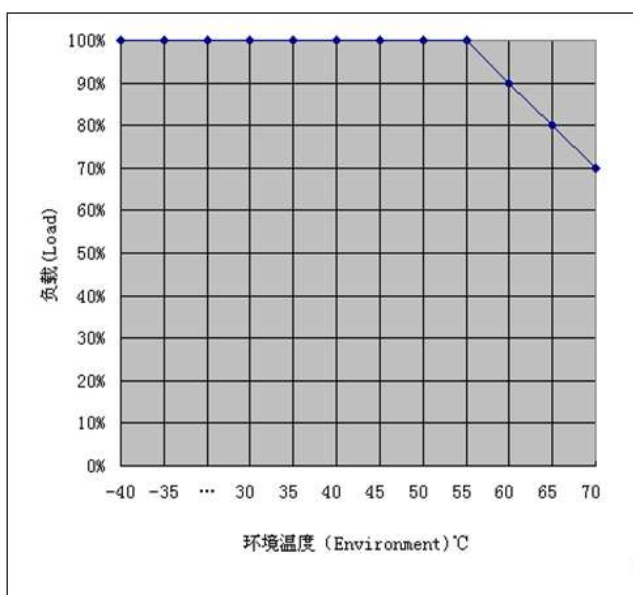
注：电源安装尺寸如与选型手册不符，请以实物尺寸为准

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

## 典型曲线 Typical curve

降额曲线

Derating curve



静态特性曲线

Output Derating VS Input Voltage curve

