

LSP1系列 伺服步进专用电源



品质电源
用心打造



极致性价比

简单易用

稳定可靠



■ 产品概述 Product Description

LSP1系列是一款单路输出机壳型交流变直流电源供应器，整系列输入电压范围为220V，并且能提供单路直流电压输出。

LSP1 is a single-output AC-to-DC power supply, with a full range of input voltage of 220V, and can provide single-channel DC voltage output.

■ 产品特点 Product Features

- 220V 交流输入
- 效率高达 88%
- 主路输出电压可调
- 三路输出电压
- 内置辅助电源
- DC 输出指示
- 保护种类：
短路/过负载/过电压/过温度
- 可选加喷防潮剂
- 2 年保固
- 220V AC input
- Up to 88% efficiency
- Main circuit output voltage adjustable
- Triple Output Voltage
- Built-in auxiliary power supply
- DC output indication
- Type of protection:
Short circuit/overload/overvoltage/overtemperature
- Optional moisture barrier spray
- 2-year warranty

■ 命名规则 Model Naming Rules

伺服步进专用电源 LSP1 – 360 – 36

①

②

③

④

① 名称

② 系列名

③ 功率

360：代表360W
400：代表400W

④ 输出电压

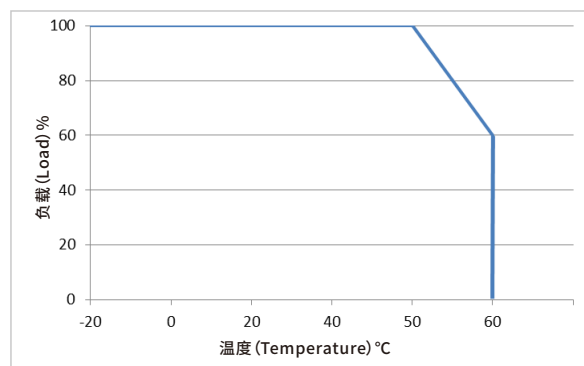
24：代表24V
36：代表36V
48：代表48V
60：代表60V

■ 型号与规格参数 Model And Specification Parameters

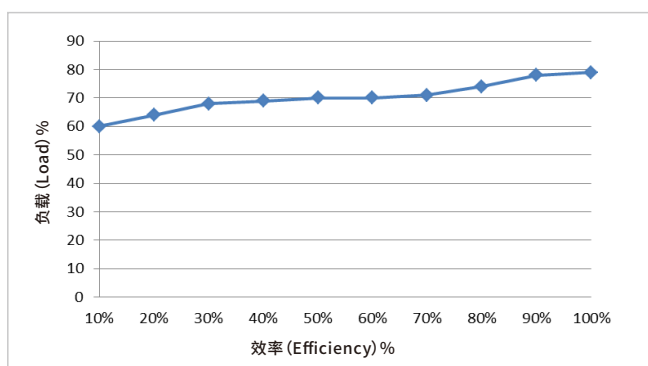
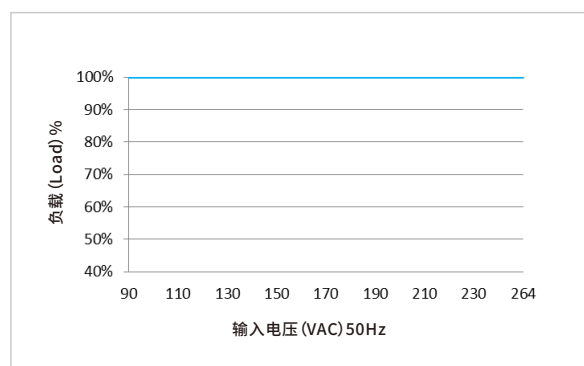
型号 Model		LSP1-360-24	LSP1-360-36	LSP1-360-48	LSP1-400-60
规格型号 Specifications And Models		360-24	360-36	360-48	400-60
输出特性 Output Characteristics	输出电压 Output Voltage	24V	36V	48V	60V
	额定输出电流 Rated Current	15A	10A	7.5A	6.7A
	额定功率 Rated Power	360W	360W	360W	400W
	输出电压精度 Output Voltage Accuracy	±1.0%			
	线性调整率 Linear Adjustment Rate	±0.5%			
	负载调整率 Load Adjustment Rate	±0.5%			
	波纹及噪声 Ripple And Noise	400mVp-p			
	温度系数 Temperature Coefficient	±0.02%/°C (0-50°C)			
	输出电压可调节范围 Adjustable Range	23.9V-24.1V	35.9V-36.1V	47.9V-48.11V	59.9V-60.1V
	整机效率 Overall Efficiency	≥88%	≥88%	≥88%	≥88%
	上升时间 Rise Time	30ms(满载时) 30ms (at full load)			
	保持时间 Hold Time	30ms			
输入特性 Input Characteristics	输入电压 Input Voltage	220V			
	交流电流 Alternating Current	6A/220V			
	输入频率 Input Frequency	47-63Hz			
	泄露电流 Leakage Current	<2.0mA/240VAC			
	浪涌电流 Surge Current	65A/220V			
环境特性 Environmental Characteristics	工作温度 Working Temperature	-20~+60°C (参考"减额曲线") -20~+60°C (Refer to "Reduction Curve")			
	工作湿度 Working Humidity	20-90% RH 无冷凝 20-90% RH non-condensing			
	储存温度、湿度 Storage Temperature、Humidity	-40~+85°C,10~95%RH			
	耐振动 Vibration-Proof	10~500Hz, 2G10分钟/周期, XvY、Z轴各60分钟 10~500Hz, 2G10 min/cycle, 60 min each for XvY, Z axis			
保护特性 Protective Characteristics	过负载 Overloaded	额定输出功率的130-170% 130-170% of rated output power			
		保护类型:关断 Protection type: shutdown			
	过电压 Overvoltage	保护类型:自恢复 Type of protection: Self-recovering			
	过温度 Overtemperature	关断输出电压,温度下降后自动恢复 Output voltage is turned off and automatically restored when the temperature drops.			
功能特性 Functional Characteristics	输出电压调整 (IPV) Output Voltage Regulation (IPV)	输出电压可以在额定输出±10%范围内调整 Output voltage can be adjusted within ±10% of rated output			
	辅助电源 Auxiliary Power	12V@0.5A(±5%)			
安规 Safety	安全规范 Safety Norm	UL60950-1, TUV EN60950-1, EAC TP TC 004, CCC GB4943.1, BSMI CNS14336-1 认证通过 UL60950-1, TUV EN60950-1, EAC TP TC 004, CCC GB4943.1, BSMI CNS14336-1 Certified by			
	耐压 Pressure Resistance	I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC			
	绝缘阻抗 Insulation Impedance	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C/ 70% RH			

型号 Model		LSP1-360-24	LSP1-360-36	LSP1-360-48	LSP1-400-60
其他参数 Other Parameters	MTBF	^313.1Khrs TelcordiaSR-332(Bellcore): ^116.75Khrs MIL-HDBK-217F(25°C)			
	尺寸 Sizes	215*115*30mm (L*W*H)			
	包装 Wrap	1.95Kg;6pcs/12.7Kg/1.15CUFT			
备注 Note		① 如未特别说明,所有规格参数均在输入为230VAC、额定负载、25°C环境温度下进行量测。 If not specified, all specifications are measured at 230VAC input, rated load and 25°C ambient temperature. ② 纹波和噪声测量方法:使用一条12"双绞线,同时终端要并联0.1uf和47uf的电容,在20MHZ带宽下进行量测。 Ripple and noise measurement method: using a 12" twisted pair cable, while the terminals should be connected in parallel with 0.1uf and 47uf capacitors, measured in 20MHZ bandwidth. ③ 精度:包含设定误差、线性调整率和负载调整率。 Accuracy: Including setting error, linear adjustment ratio and load adjustment ratio. ④ 低电压输入情况下需减额输出,具体请参照输出减额曲线图。 The output should be derated in case of low voltage input, please refer to the output derating graph for details. ⑤ 电源应视为系统内元件的一部分,所有的EMC测试都将测试样品安装在一个厚度1mm,长360mm*宽360mm的金属铁板上测试。电源需结合终端设备进行电磁兼容相关确认。 The power supply should be regarded as a part of the system components, all EMC tests will be mounted on a metal iron plate with a thickness of 1mm and a length of 360mm*width of 360mm.The power supply needs to be combined with the terminal equipment for EMC-related confirmation. ⑥ 当海拔高度超过2000米(6500英欠)时,无风扇机型环境温度依每3.5°C/1000m比例下降,有风扇机型环境温度依每5°C/1000m下降。 When the altitude exceeds 2,000 meters (6,500 feet), the ambient temperature decreases at a rate of 3.5°C/1,000m for fanless models, and at a rate of 5°C/1,000m for fanned models.			
应用领域 Application		工业控制或自动化装置 Industrial control or automation devices 测试和测量仪器 Test and Measurement Instruments 激光相关类机器 Laser related machines 老化设备 Aging equipment RF应用程序 RF applications			

■ 静态特性曲线 Static Characteristic Curve

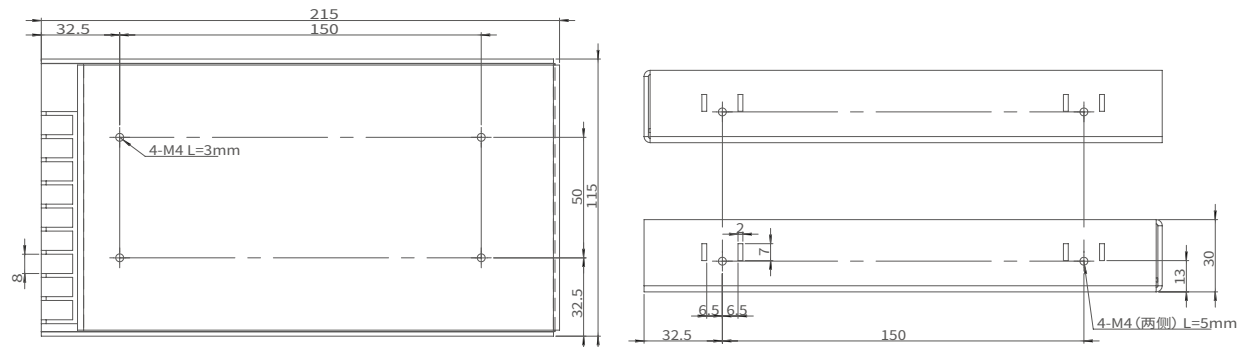


■ 减额曲线 Reduction Curve



■ 安装尺寸 Installation Size

单位 Unit: mm



■ 安装方法 Installation method

电源底部有4个安装孔，左右两侧各有2个安装孔，共有8个尺寸大小相同的安装孔。支持水平安装、垂直安装两种安装方式。

There are 4 mounting holes at the bottom of the power supply and 2 on each side, totaling 8 mounting holes of the same size. It supports both horizontal and vertical installation methods.

(1) 水平安装 Horizontal Installation

方法一：通过电源底部4个安装孔，直接将电源安装在机柜上，无需使用电源支架；

Method 1: Directly install the power supply on the cabinet through the 4 mounting holes at the bottom without using a power supply bracket.

方法二：使用雷赛智能伺服步进专用电源水平安装支架，将支架插入对角安装孔，锁紧螺丝即可。

Method 2: Use the Leadshine intelligent servo stepper dedicated power supply horizontal installation bracket, insert the bracket into the diagonal mounting holes, and tighten the screws.

(2) 垂直安装 Vertical Installation

使用雷赛智能伺服步进专用电源垂直安装支架，将支架插入同侧安装孔，锁紧螺丝即可。

Use the Leadshine intelligent servo stepper dedicated power supply vertical installation bracket, insert the bracket into the mounting holes on the same side, and tighten the screws.

■ 可供选择的安装支架 Optional installation brackets available

名称 Name	产品外观 Product appearance	料号 Item number
水平安装支架 Horizontal installation bracket		15101296
垂直安装支架 Vertical installation bracket		15101297

■ 订货信息 Order information

型号 Model	功率 Power (W)	输出电压 Output voltage (VDC)	电流 Electric current (A)	电源输入 Power input	尺寸 Size (mm)
LSP1-360-24	360	24	15	220VAC	215*115*30
LSP1-360-36	360	36	10		
LSP1-360-48	360	48	7.5		
LSP1-400-60	400	60	6.7		

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公众号



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