



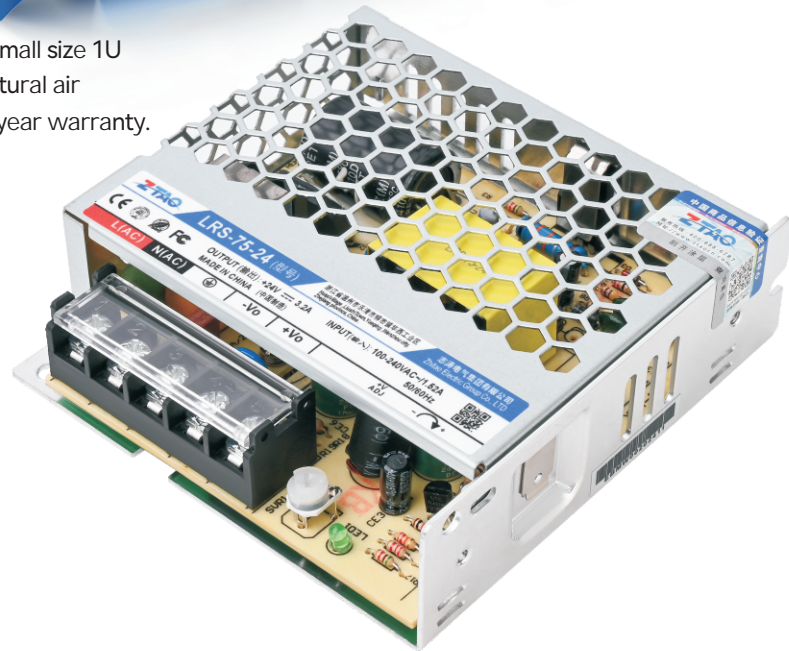
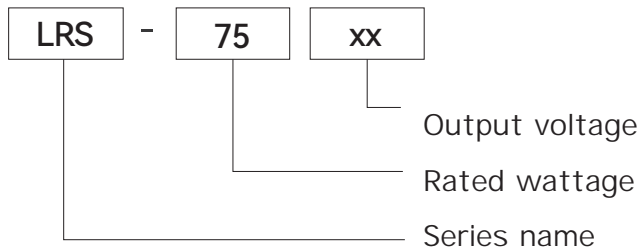
# LRS-75

- product category : 75W single output power supply
- version No : ZTAO3.0
- release date : May 1st, 2025

## Description

International full-range AC input, no-load power consumption <0.7W, small size 1U low, protection type: short circuit/overload/overcurrent protection, natural air cooling, power start LED indicator light, 100% full-load burn-in test, 3-year warranty.

## Model Encoding



## Features

- International full-range AC input,
- no-load power consumption <0.7W small size 1U low
- protection type: short circuit/overload/overvoltage protection,
- air cooling
- power start LED indicator light
- 100% full-load burn-in test
- 3-year warranty.



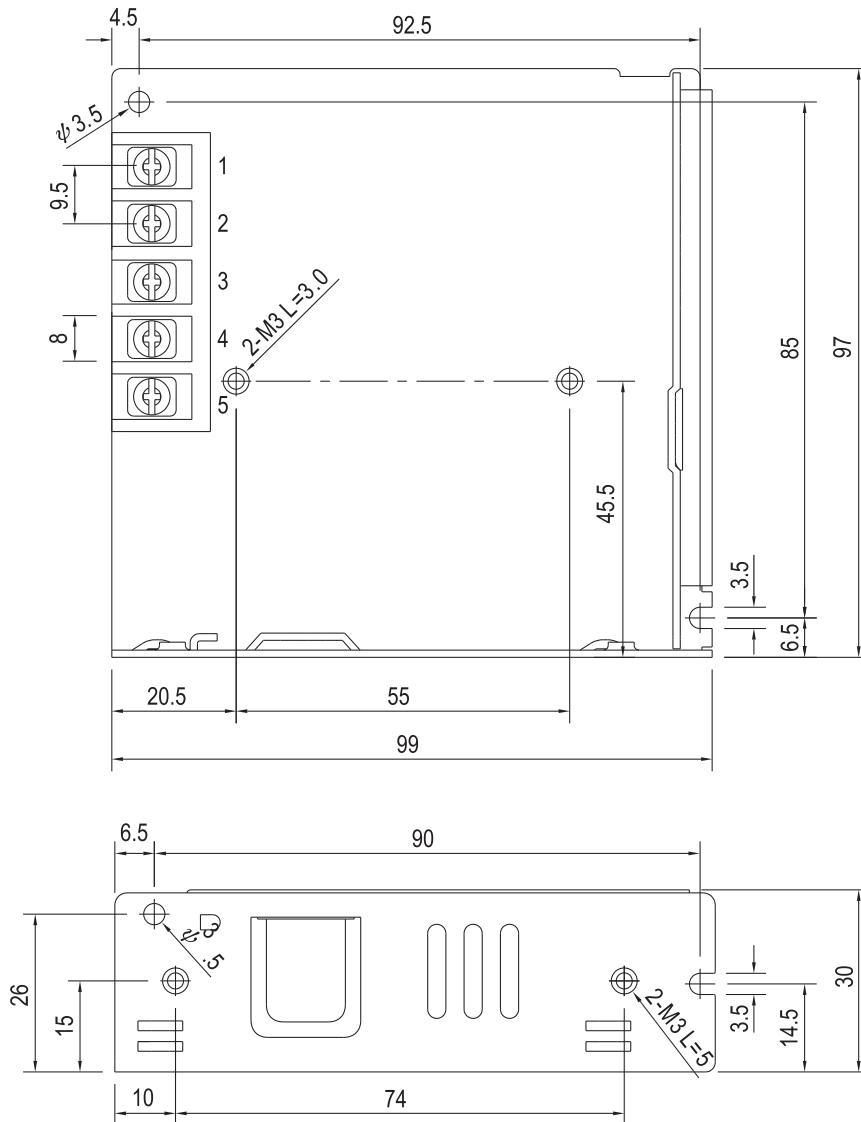
## Application

Industrial control, mechanical and electrical, electronic instruments, industrial automation, electronic equipment, semiconductor equipment, etc. (excluding information technology equipment)

## Model Specification

Model		LRS-75-5	LRS-75-12	LRS-75-15	LRS-75-24	LRS-75-36	LRS-75-48
Output	DC Voltage	5V	12V	15V	24V	36V	48V
	Rated Current	14A	6A	5A	3.2A	2.1A	1.6A
	Current Range	0~14A	0~6A	0~5A	0~3.2A	0~2.1A	0~1.6A
	Rated Power	70W	72W	75W	76.8W	75.6W	76.8W
	Ripple&Noise(max.)	100mVp-p	120mVp-p	120mVp-p	150mVp-p	200mVp-p	200mVp-p
	Vol tage ADJ. Range	4.5~5.5V	10.2~13.8V	13.5~16.5V	21.6~26.4V	32.4~39.6V	43.2~52.8V
	Voltage Tolerance	±1%	±1%	±1%	±1%	±1%	±1%
	Line Regulation	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%
	Load Regulation	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%
	Setup,Rise time	500ms,30ms/230VAC 500ms,30ms/115VAC at full load					
Hold up time	60mS/230VAC; 12mS/115VAC at full load						
Input	Voltage Range	90~264VAC		127~370VDC			
	Frequency Range	50~60HZ					
	Efficiency	82%	85%	86%	88%	89%	89%
	AC Current	1.4A/115VAC		0.85A/230VAC			
	Inrush Current	< 1mA/240VAC					
Protection	Overload	125~150% rated output power Hiccup protection, Recovers automatically after fault condition is removed					
	Over Voltage	5.9~7.3V	13.8~16.2V	18.7~21.7V	28.8~33.6V	41.4~48.6V	55.2~64.8V
Environment	Working Temp.	-20°C ~+65°C					
	Working Humidity	20~90%RH non-condensing					
	Storage Temp.	-40~+80°C					
	Humidity	10~95%RH, non-condensing					
	Vibration	10~500HZ, 5G 10 min/1cycle,period for 60min, each along X、Y、Z axes					
Safety	Withstand Voltage	I/P-O/P:1.5KVAC; I / P - F G :1.5KVAC; O / P - F G :500VAC					
	Isolation Resistance	I/P-O/P I/P-FG O/P-FG:100 Ohms/500VDC/25°C /70%RH					
Other	Dimension	99*97*30mm (L*W*H)					
	Packing	0.2kg/pcs					
Note	<p>1. All parameters Not specially mentioned are measured at 230VAC input,rated load and 25°C ambient temperature,                  2.Ripple&amp;noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf&amp;47uf parallel capacitor.                  3.Tolerance: includes set up tolerance,line regulation and load regulation                  4.Line regulation is measured from low line to high line at rated load                  5.Load regulation is measured from 0% to 100% rated load.                  6.Length of set up time is measured at cold first start,Turning ON/OFF the power supply very quickly may lead to increase of the set up time                  7.The ambient temperature derating of 5°C/1000m is needed for operating altitude greater than 2000m(6500ft)</p>						

Mechanical Specification and Installation (mm)



Terminal Pin No. Assignment

Pin	Pin Ass	Pin	Pin Ass
1	AC/L	4	DC OUTPUT -V
2	AC/N	5	DC OUTPUT +V
3	FG		

Pin	Function	
L	AC LINE	screw: M4*9.5 twisting force: 22Kgf.cn(2.2N.m)
N	AC NETURAL	
⊖	EARTH	
-Vo	DC output -	螺丝: M4*9.5 扭力: 22Kgf.cn (2.2N.m)
+Vo	DC output +	

8-M4 客户系统安装孔

安装螺丝: M4

安装扭力: 8Kgf.cn (0.8N.m)

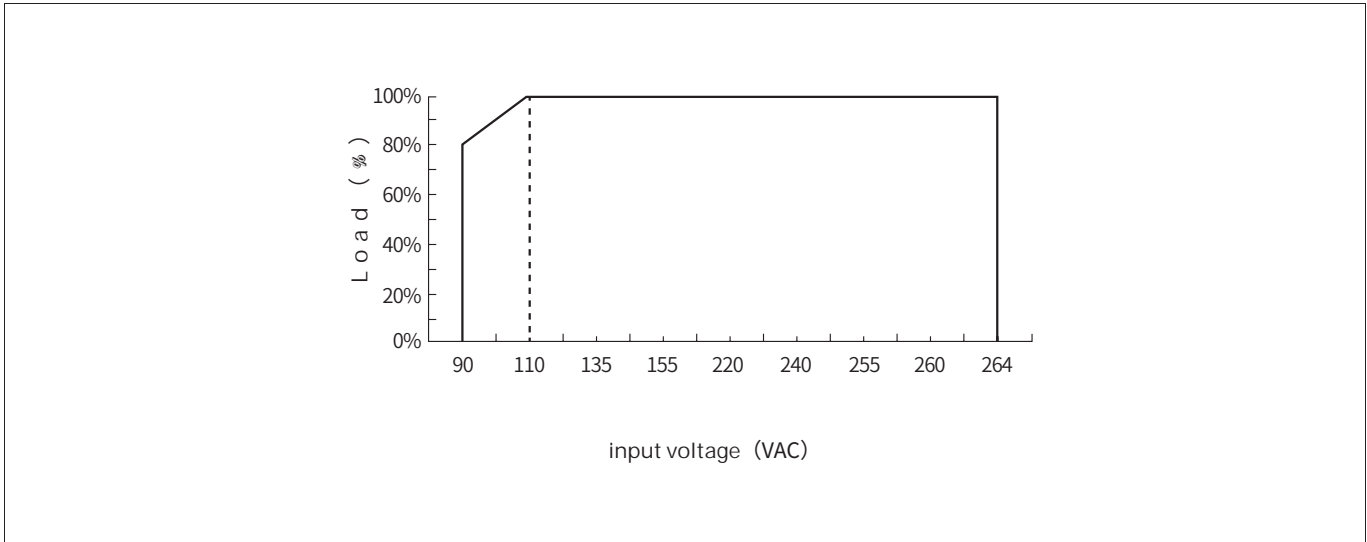
螺丝伸入机壳不大于 3mm

备注:

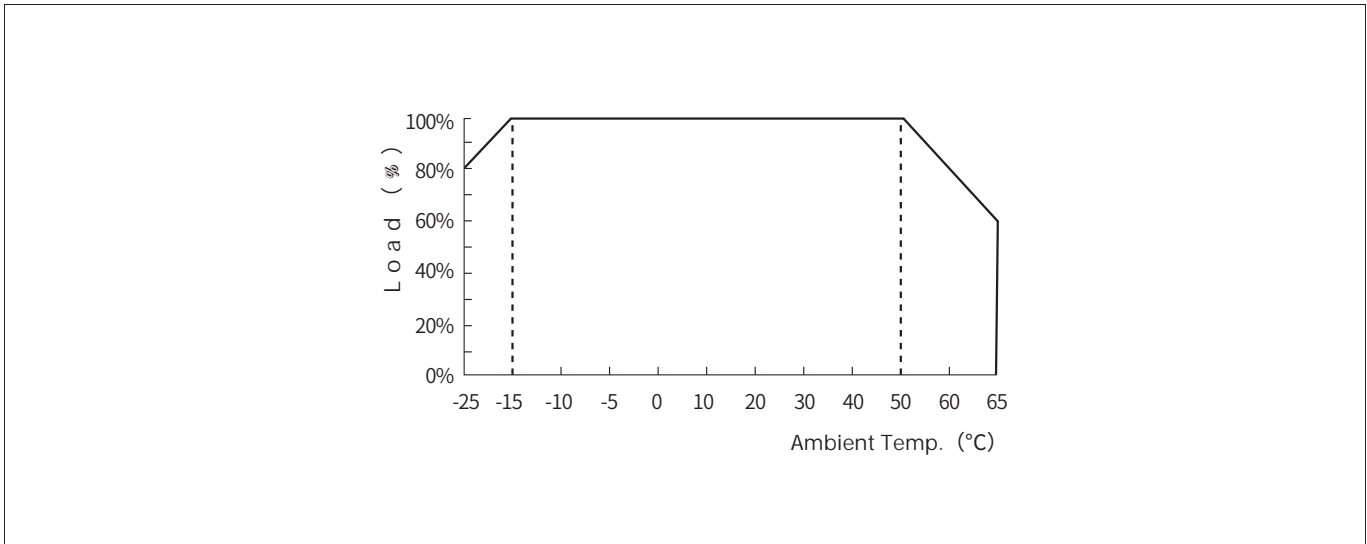
单位: mm[inch]; 未标注公差为 ±0.5[±0.020]

characteristic curve

Input voltage VS Output load



AMBIENT TEMPERATURE VS Output Load



Noted:

- 1.If you need to know more detailed test data when applying, please contact our technical support to obtain the application notes of the corresponding product.
- 2.This product is suitable for use in a natural air convection environment. If it is to be used in a closed environment, please contact our technical support personne