



Zhitao Group
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Industrial Power Supplies

Product Specifications

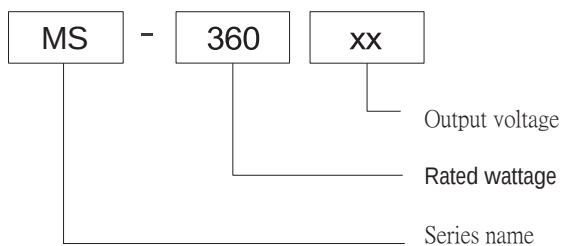
MS-360

- Product Category: 360w single output power supply
- Version number: ztao3.0
- Release date: 1st May 2025

Product Overview

MS-360-XX SERIES PRODUCTS FOR A 360W CHASSIS-TYPE INDUSTRIAL POWER SUPPLY, THE OUTPUT VOLTAGE INCLUDING 12V/24V/36V/48V, ETC., CAN BE ADAPTED TO DIFFERENT LOAD APPLICATION REQUIREMENTS TO MEET THE NEEDS OF MOST INDUSTRIAL APPLICATIONS, FAN COOLING, AS WELL AS A FULL RANGE OF PROTECTION, TO ENSURE THAT THIS SERIES OF PRODUCTS OF RELIABILITY AND STABILITY.

Model encoding



product characteristics

- The AC input range is switched via
- Type of protection: short circuit/overload/overvoltage
- fan cooling
- led indicator for Power on
- 100% full load burn-in test
- 3-year warranty

areas of application

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

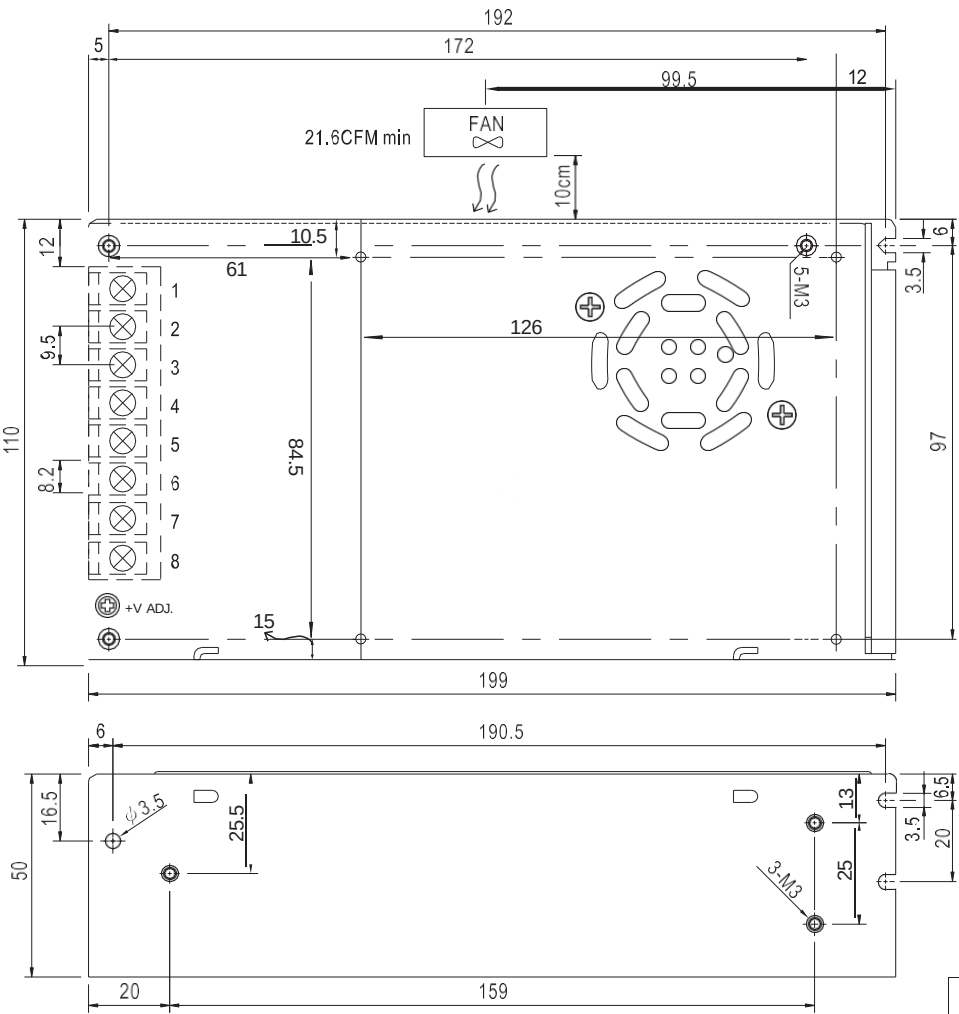


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electrical specifications

Model		MS-360-12	MS-360-15	MS-360-24	MS-360-36	MS-360-48
Output	DC output voltage	12V	15V	24V	36V	48V
	Rated current	29A	23.2A	15A	10A	7.5A
	Current range	0~29A	0~23.2A	0~15A	0~10A	0~7.5A
	Rated power	348W	348W	360W	360W	360W
	Ripple & Noise (Max)	200mVp-p	200mVp-p	240mVp-p	360mVp-p	360mVp-p
	voltage adjustment range	10.2~13.8V	13.5~16.5V	21.6~26.4V	32.4~39.6V	43.2~52.8V
	voltage accuracy	±1%	±1%	±1%	±1%	±1%
	Linear adjustment rate	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%
	Load Adjustment Ratio	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%
	start-up & rise time	1500ms,30ms/230VAC 1500ms,30ms/115VAC (at full load)				
	Holding time	20mS/230VAC 15mS/115VAC (at full load)				
Input	Input Voltage	95~132 VAC/185~264VAC SELECTABLE BY SWITCH 260~370VDC(switc on 230VAC)				
	Input frequency	50~60HZ				
	Efficiency	83%	83%	86.5%	87%	88%
	Input current	4.5 A/115VAC 2.5A/230VAC				
	Leakage current	< 1mA/240VAC				
Protect ion	overload protection	110~150% of rated power Protection mode: hiccup protection, automatic recovery after removal of abnormal conditions				
	Overvoltage protection	13.8~16.2V	18.7~21.7V	28.8~33.6V	41.4~48.6V	55.2~64.8V
		Protect mode: shut down the output voltage, restart to recover				
Function	Fan On/Off Control (Typ.)	The fan rotates straight				
Environment	Operating temperature	-20℃ ~+65℃				
	Operating humidity	20~90%rh No condensation				
	Storage temperature/humidity	-40~+80℃ 10~95%rh, no condensation				
Security	Vibration-resistant	10~500HZ, 5G 10 MIN/CYCLE, X, Y, Z 60 MIN EACH				
	pressure resistance	Input to output :1.5kvac; Input to ground :1.5kvac; Output to ground :500vac				
Others	Insulation impedance	Input to Output, Input to Ground, Output to Ground :100 Ohms/500VDC/25℃ /70%RH				
	Product dimensions	199*110*50mm (L*W*H)				
	Packaging	1.2kg/pcs				
Remarks		1. All parameters are measured at 230vac input, rated load and 25℃ when not specified. 2. Ripple and noise voltages were measured on a 20MHz bandwidth oscilloscope with 0.1 μ and 47 μ capacitors at the end of a 12-inch twisted pair cable, measured at 20MHZ bandwidth. 3. Accuracy: Includes setting error, linear adjustment ratio and load adjustment ratio. 4. Linear Adjustment Ratio Measurement Method: Test from low voltage to high voltage at rated load 5. Load Adjustment Ratio Measurement Method: From 0% to 100% of rated load 6. Start-up time is measured at cold start, fast and frequent switching on and off may increase the start-up time. 7. When operating at altitudes higher than 2000 metres (6500ft): the operating environment needs to be reduced by 5℃ / 1000 metres				

Outline and mounting dimensions (mm)



Terminal Pin No.Assignment

pin No	Assignment	pin No	Assignment
1	AC/L	4~6	DC OUTPUT -V
2	AC/N	7~9	DC OUTPUT +V
3	FG $\perp$		

Pinout	Function	
L	AC LINE	Screw:m4*9.5 Torque:22Kgf.cn(2..... 2N.m)
N	AC NETURAL	
$\perp$	EARTH	
-V	DC output -	Screw:m4*9.5 Torque:22Kgf.cn(2..... 2N.m)
-V	DC output -	
-V	DC output -	
+V	DC output +	
+V	DC output +	
+V	DC output +	

8-m3 Customer system

mounting holes mounting

screws:m3

Installation torque: 8Kgf.cn (0.8N.m)

screws into the housing is not more

than 3mm

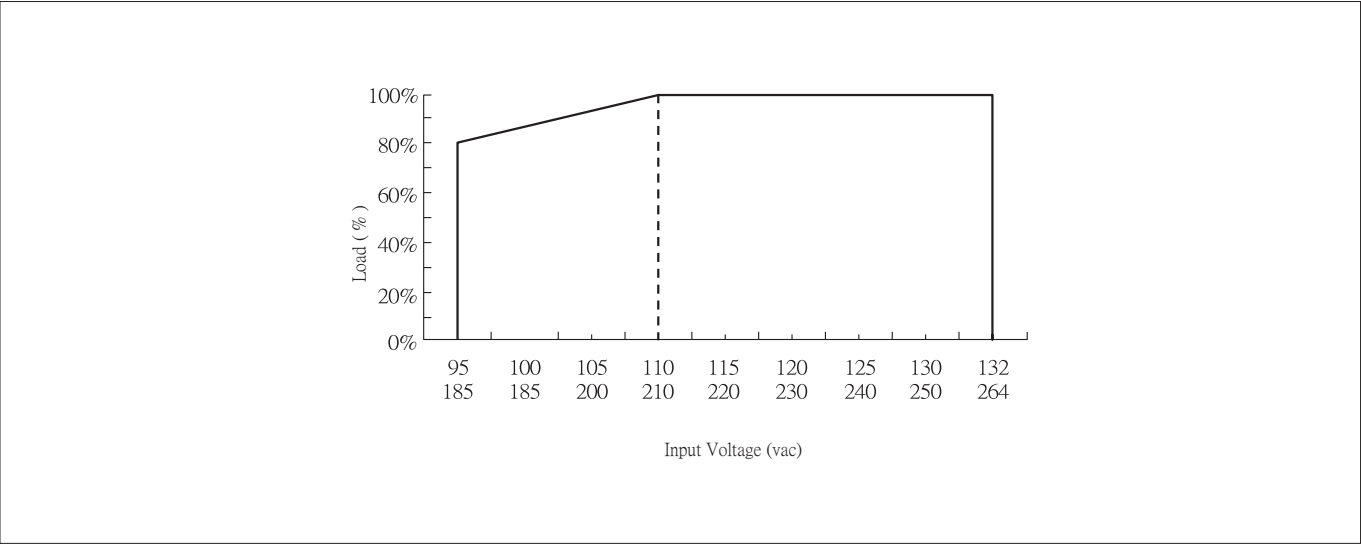
Remarks:

Unit: mm [inch]; unlabelled tolerances are ± 0.5 [± 0.020].

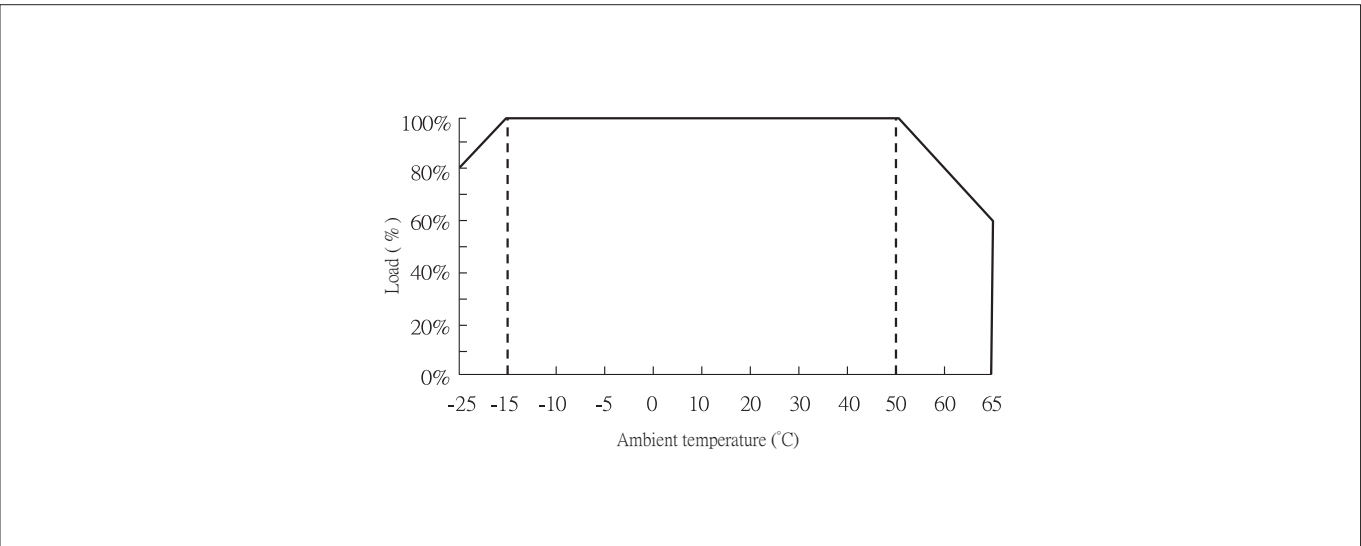


characteristic curve

Input Voltage vs Output Load



Ambient temperature vs. output load



Remarks:

- 1.If you need to know more detailed test data, please contact our technical support to get the application notes of the corresponding products.
- 2.This product is suitable for use in a natural air convection environment, if used in a closed environment, please contact our technical support staff.