



Zhitao Group

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Industrial Power Supplies

Product Specifications

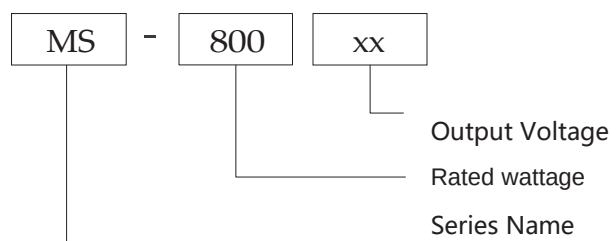
MS-800

- Product Category: 800w Single Output Power Supply
- Version number: ztao3.0
- Release date: 1st May 2025

Product Overview

MS-800-XX SERIES PRODUCTS FOR A 800W CHASSIS-TYPE INDUSTRIAL POWER SUPPLY, THE OUTPUT VOLTAGE INCLUDING 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 range input is switched via the switch
- 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)

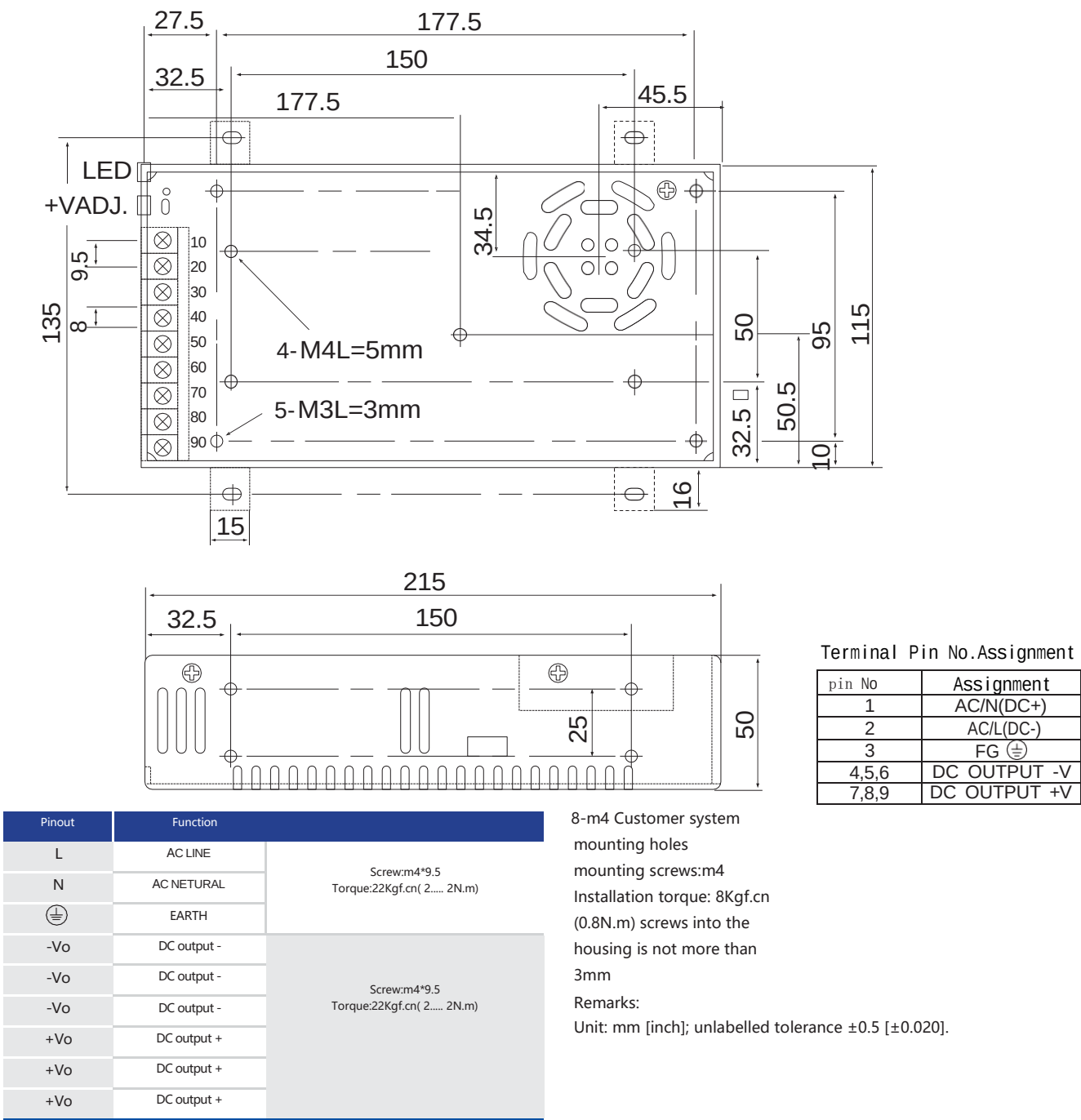


01-01

electrical specifications

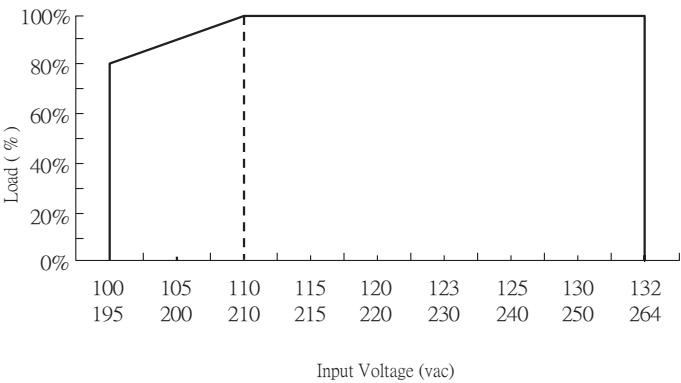
Model		MS-800-24	MS-800-36	MS-800-48
Output	DC output voltage	24V	36V	48V
	Rated current	33A	22A	16.5A
	Current range	0~33A	0~22A	0~16.5A
	Rated power	792W	792W	792W
	Ripple & Noise (Max)	300mVp-p	360mVp-p	360mVp-p
	voltage adjustment range	21.6~26.4V	32.4~39.6V	43.2~52.8V
	voltage accuracy	±2%	±2%	±2%
	Linear adjustment rate	±1%	±1%	±1%
	Load Adjustment Ratio	±1%	±1%	±1%
	start-up & rise time	1500ms,60ms/230VAC 1800ms,70ms/115VAC (at full load)		
	Holding time	15mS/230VAC 10mS/115VAC (at full load)		
Input	Input Voltage	100~132 VAC/195~264VAC SELECTABLE BY SWITCH 273~370VDC(switc on 230VAC)		
	Input frequency	50~60HZ		
	Efficiency	87%	88%	89%
	Input current	9.5A/115VAC 5.0A/230VAC		
	Leakage current	< 2mA/240VAC		
Protection	overload protection	105~135% of rated power Protection mode: +vo down to undervoltage point, automatic recovery after removal of abnormal conditions		
	Overvoltage protection	28.8~33.6V	41.4~48.6V	55.2~64.8V
		Protect mode: shut down the output voltage, restart to recover		
	Over temperature	Turn off the output voltage, reboot to restore		
Function	Fan On/Off Control (Typ.)	TH3 ≥ 50 °C FAN ON, ≤ 40 °C FAN OFF		
Environment	Operating temperature	-20°C ~+65°C		
	Operating humidity	20~90%rh No condensation		
	Storage temperature/humidity	-40~+80°C 10~95%rh, no condensation		
Security	Resistant to vibration	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°C /70%RH		
	Product dimensions	215*115*50mm (L*W*H)		
	Packaging	1.4kg/pcs		
Remarks		1. All parameters are measured at 230vac input, rated load and 25°C when not specified. 2. Ripple and noise voltages were measured on a 20MHz bandwidth oscilloscope with 0.1μ and 47μ 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°C / 1000 metres		

Outline and Mounting Dimensions (mm)

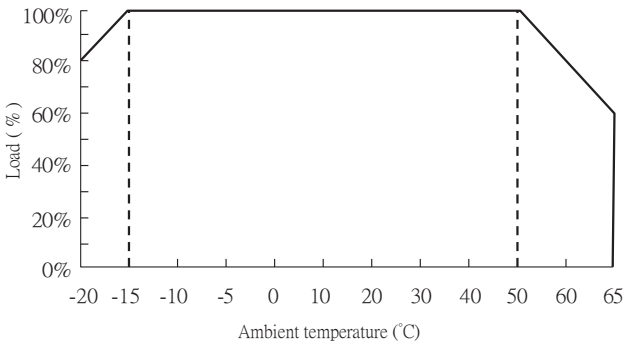


Characteristic Curve

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.