

**Product Features**

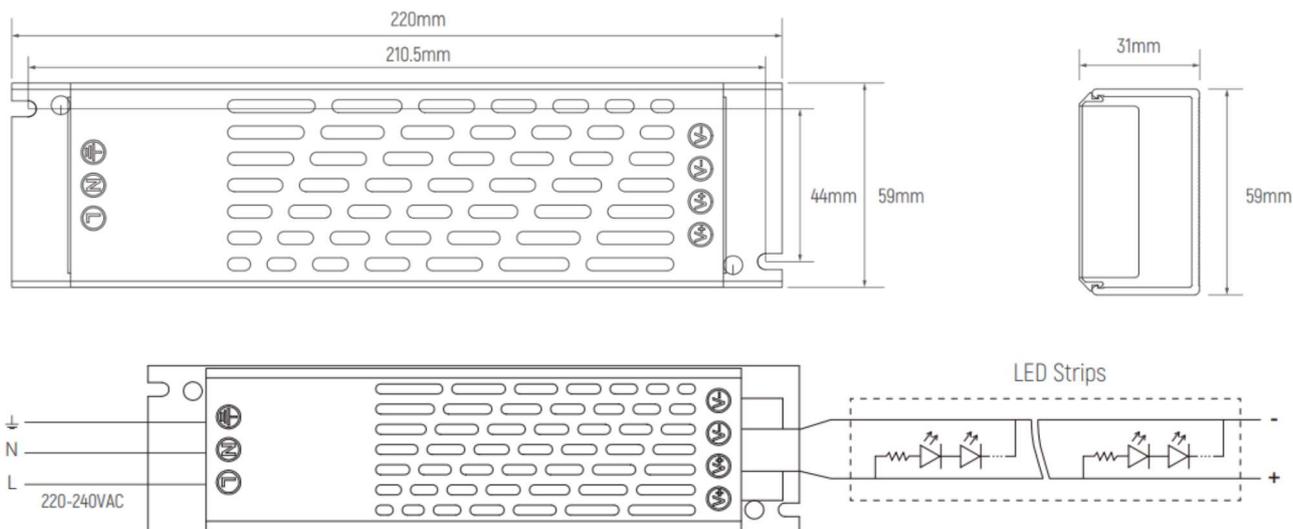
- Input voltage: 198-264Vac;
- Aluminum Casing;
- No-load power ≤ 0.3W;
- Flicker free;
- High efficiency up to 90%;
- Ultra-low start up temp. (-25°C);
- Multiple protections: Short circuit/ Over load/ Over Current/ Over temperature;
- Small size, light weight;
- 3 years warranty.



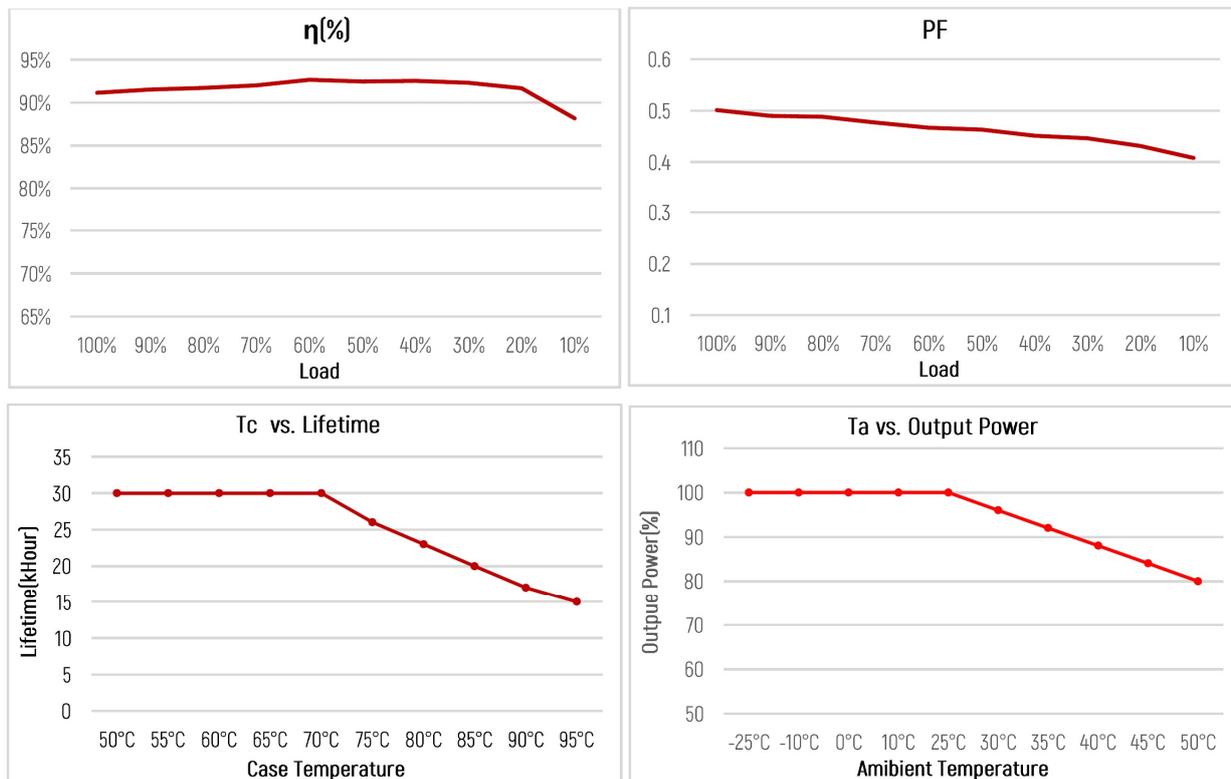
Model	MLME300-1H24V-A	
Input	Rated AC Input Voltage	220-240Vac
	AC Input Voltage Range	198-264Vac
	Frequency Rang	50/60HZ
	PF	≥0.4@230VAC, full load
	Input Current	2.8Amax@230Vac
	Efficiency	≥90%@230Vac
	Inrush Current	Cold start,60A@230VAC, 400us
	Leakage Current	<2mA@230Vac,full load, IEC 60598-1; 240Vac/ 60Hz,
	No Load Power	≤ 0.5W, (EU)NO 2023/826
Output	Output Voltage	24V(-5%,+2%)
	Output Current	0-12.5A
	Power Range	0-300W
	SVM	≤ 0.4
	PST	≤ 1
	Ripple Voltage	500mV Max
	No Load Output Voltage	24.5VDC max.
	Turn on Delay Time	≤ 0.75 s
Protection	Over Load	Reduce voltage protection to troubleshoot normal output
	Over Current	Reduce voltage protection to troubleshoot normal output
	Short Circuit	Short circuit No output, troubleshooting output normal
	Over Temperature	Reduce voltage protection to troubleshoot normal output
SAFETY&EMC	Surge	L-N 1000VAC, L/N- Ground cable 2000VAC, (IEC 61000-4-5)
	Withstand Voltage	Input - Output 3000Vac/1min/<5mA; Input - Ground (housing) 1500Vac/1min/<5mA;Output - Ground 500Vac/1min/<5mA
	Safety Standards	EN IEC 62368-1, EN 60335-1 , EN 61558-1/-2-16,GB 4943.1
	EMC Standards	EN 55032, EN55035, EN IEC 61000-3-2,EN IEC 61000-3-3,EN 55014, GB 17625.1, GB/T 9254.1
	Insulation Resistance	≥10MΩ@500Vdc
Other	Storage Temp, Humidity	-40°C~85°C, 20-90%RH
	Working temp.	Ta:-25-50°C (Please refer to the Derating Curve)
	Tc	80°C @230Vac
	IP	IP20
	Lifetime	30,000h @tc:50°C

	Warranty	3-year
	Switch Cycle	15,000 times
	Packing Size	Net weight: 425g±5%/PCS; 50PCS/Carton; --- kg±5%/Carton; Carton Size: 414*294*200mm(L*W*H)
	Dimension	220*59*31mm(L*W*H)
Note	1. All performance parameters are measured at 25°C ambient temperature, 230Vac input, full load conditions, except for those specified; 2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.	

**MECHANICAL OUTLINE**



**DERATING CURVE**



## Cautions

- 1.This product should be installed by qualified personnel.
- 2.This product is non waterproof, need to avoid sun and rain. In case of outdoor use, please ensure it is mounted in a water proof enclosure.
- 3.Good heat dissipation conditions extend product life. Please install the product in a well-ventilated environment.
- 4.Please make sure LED power supply output voltage, current is used to meet the product requirements.
- 5.Please ensure that adequately sized cable is used from the controller to the LED lights to carry the current. Please also ensure that the cable is secured tightly in the connector.
- 6.Due to safety concerns, PVC or rubber cord of 0.75- 1.5mm<sup>2</sup> is recommended for input and output terminal(s)(excluding signal terminals). Flat power cord is not suitable. Ensure all wire connections and polarities are correct before applying power to avoid any damages to the LED lights.
- 7.In case of malfunction, do not repair it your

**Version**

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A.1		First release		2025-10-31	