amc SYSTEM

Światło dla reklamy.

LED POWER SUPPLY NON WATERPROOF

LMN-150-12 LMN-150-24

www.amcsystem.pl

Zasilacz typu slim

ZALETY

- Pobór mocy bez obciążenia 1,5W
- Układ aktywnego PFC
- Zabezpieczenia: przeciwzwarciowe/przepięciowe/przeciążeniowe/temperaturowe
- Niska obudowa zgodna z IP20
- Możliwość montażu na powierzchniach łatwopalnych, np. drewnie
- Zgodność z europejskimi normami i certyfikatami
- Wysoka niezawodność
- 5 lat gwarancji

PRZEZNACZENIE

- reklamy świetlne, meble

LMN-150-12/24

- Output Voltage
- Output Watts
- Model Name

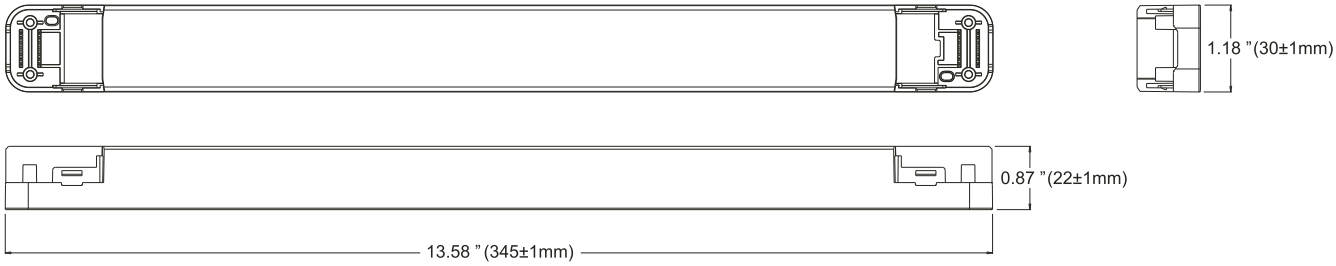
Technical Specs

		LMN-150-12	LMN-150-24
OUTPUT			
Output Voltage		12Vdc	24Vdc
Output Voltage Range		12Vdc±5%Vdc	24Vdc±5%Vdc
Output Current		12.5A Max	6.25A Max
Output Power		150W	
Output Ripple & Noise		≤200mV	
INPUT			
Input Voltage Range		200Vac-240Vac	
Input Frequency Range		50～60HZ	
Input Current		≤0.83A(200-240Vac)	
Surge Current (cold start)		46A @230Vac	
Power Efficiency(typ)		88%	90%
PF		>0.9	
Leakage Current		<0.75mA/240Vac	
PROTECTION			
Over-Current Protection		Shut down the output when current load ≥ 110% ,and recover automatically	
Short-Circuit Protection		Hiccup Mode and recover automatically	
Over-Voltage Protection		Shut down the output when non-load voltage≥ 13V, and recover automatically	Shut down the output when non-load voltage≥ 26V, and recover automatically
ENVIRONMENT			
Working Temperature		-30°C~+50°C (See below output load VS temperature profile)	
Working Humidity		10%~95%RH	
Approved Enviroment Location		For dry locations	
Storage Temperature		~35℃~+65℃	
Storage Humidity		10%～95%RH	
Vibration		10~500Hz，1.0mm，15 minutes(for X、Y、Z each axis)	
Tcase		+90°C	
SAFETY&EMC			
Safety Standard		Design refer to EN61347-1,EN61347-2-13,EN62493	
Dielectric Strength (Hi-Pot)	I/P-O/P	3KVAC/ 5mA/ 1min	
	I/P-Case	1.5KVAC/ 5mA/ 1min	
Insulation Resistance		100MΩ / 500VDC/ 1min	
EMC		Design refer to EN55015,EN61000-3-2,EN61000-3-3,EN61547	
EFT		2kv on AC power line	
Surge		4kv(L-N) 4kv(L-GND, N-GND) (IEC61000-4-5)	
OTHERS			
MTBF		120Khrs. MIL-HDBK-217F(25℃)	
Life time		30000 hours at TC ≤80℃ maximum case hot tempeture	
Dimensions		345*30*22mm(L*W*H)	
Weight		0.3 kg	
Outer Box Specifications		380*270*165mm(L*W*H) /48pcs/ctn	
		Total 6 layer, each layer 8 pcs / G.W15.5kg/N.W14.5KG(1±10%)	

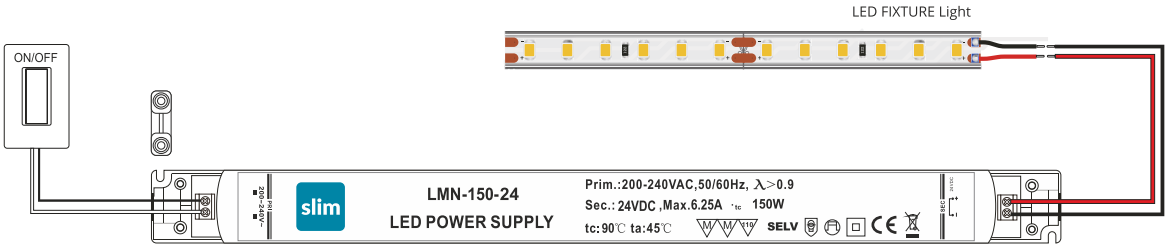
Remarks:

Test environment temperature : 25 ± 2°C;
Ripple and noise measurement methods: terminal to parallel 47uF electrolytic capacity and 0.1uF ceramic capacity, in 20 MHZ Bandwidth measurement.
"The driver is suitable for connecting resistor current-limiting LED fixture (e.g. LED strip). The inrush current will be dozens of times increased if connecting built-in constant current IC current-limiting LED fixtures, the driver will activate the overloaded protection (hiccups flickering). "

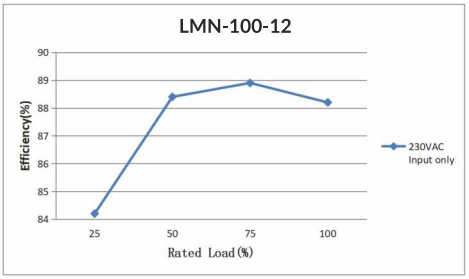
Profile Drawing

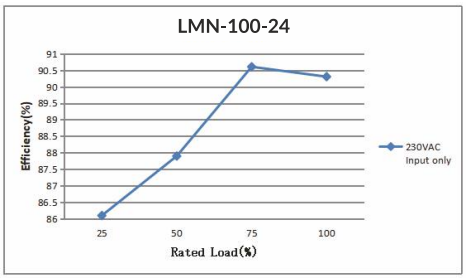


Wiring Diagram



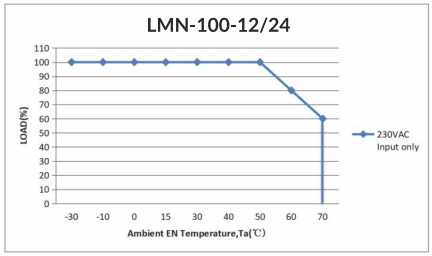
OUTPUT LOAD vs Efficiency (Input 230VAC)





OUTPUT LOAD vs Temperature

The LMN-150 series can be operated with cooling air temperatures between-30°C- 50°C by linearly derating the total maximum output power (or current) by 2.0%/°C from 50°C to 70°C (see figure).



Attentions

— Please ensure that the ground wire is properly grounded and ensure it does not come into contact with the neutral wire.
— Please make the power supply installed in a well-ventilated place, to ensure that the environment temperature is appropriate.
— Do not overload the power supply with multiple appliances.
— Please do not touch the metal shell surface to avoid high temperature scald.
— Do not install in the minefield or high pressure area.
— Do not attempt to repair privately. Please contact the supplier if you have any questions.

Tips

— To be installed by a certified electrician. Please read and follow the instructions carefully before installing. Ensure all contact points are connected firmly.
— Please pay attention to the using environment, and conduct regular check and maintenance to eliminate safety risks.