

Product Features

- Wide input Voltage range 100-240VAC
- High efficiency >90%, PF >0.95, PWM output method
- Triac dimming; 0-10V/1-10V/Potentiometer/10V PWM 5 in 1
- Dimming function: Phase dimming: work with forward phase /leading edge, MLV and Reverse phase /trailing edge, ELV, TRIAC dimmers
- Support triac dimming (Leading/trailing edge)
- Excellent dimming effect & strong compatibility
- IP Grade: 67, suitable for indoor and outdoor usage
- Short circuit & over-current & over-voltage protection
- CE SAA TUV ETL passed
- Natural wind heat dissipation
- long lifespan & 5 years warranty

MSD-MV150 Series



Warning

The dimming product is only suitable for direct drive LEDs.

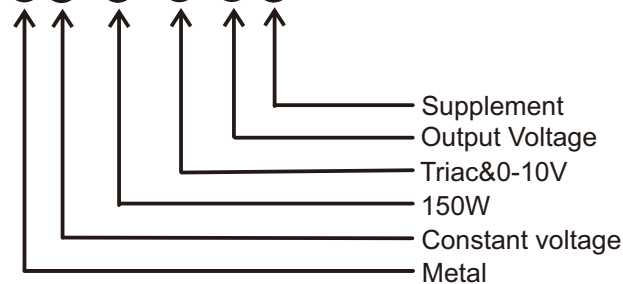
If there is a circuit drive LED or load with capacitance

inside the LED, it is not suitable for this dimming power supply.

Naming rule

MV150TA24X

① ② ③ ④ ⑤ ⑥



Number	Function
①	M: Metal P: Plastic
②	V: Constant voltage C: Constant current
③	150: 150W
④	A: 0/1-10V D: DALI T: Triac N: No DIM B: DALI D+8 TA: 0-10V & Triac P: PUSH DP: DALI PUSH
⑤	Output Voltage
⑥	Supplement 例U: UFO

Technical Parameters

MSD-MV150 Series

Model		MV150			
Output	Voltage	12V	24V	36V	48V
	Current	12.5A(Max)	6.25A(Max)	4.16A(Max)	3.12A(Max)
	Power	150W	150W	150W	150W
	Efficiency Full load	91%@110VAC	91%@110VAC	91%@110VAC	91%@110VAC
		92%@230VAC	92%@230VAC	92%@230VAC	92%@230VAC
Input	Input votage		100-240VAC		
	Frequency		50-60Hz		
	Power Factor		PF>0.98@110VAC PF>0.95@230VAC		
	THD		<10%@230V		
	Standby power		<5W		
	Current		1.52Amax@110VAC 0.7Amax@230VAC		
	Inrush Current		Cold start 50A(twidth=250us measured at 80% lpeak)@230VAC		
Protection	Short Circuit		Hit cup,recovers after resart		
	Over voltage		Hit cup,recovers after fault condition is removed		
	Over Load		Hic cup,recovers after fault condition is removed		
	Over temperature		No Output ,recovers after temperature<110°C		
Safety& EMC	Surge		L-N:2KV,L,N-PG:4KV		
	Withstand Voltage		I/P-O/P:3.75KVAC/1min/5mA;I/P-GND:2KVAC/1min/5mA		
	Safety Standards		IEC/EN61347-1,IEC/EN61347-2-13		
Environment	Working Temp		-25°C~60°C		
	Storage Temp		-40°C~85°C		
	Tc		85°C		
	IP Rating		IP67		
Others	Dimension		220*61*39mm		
	Weight		1100g		

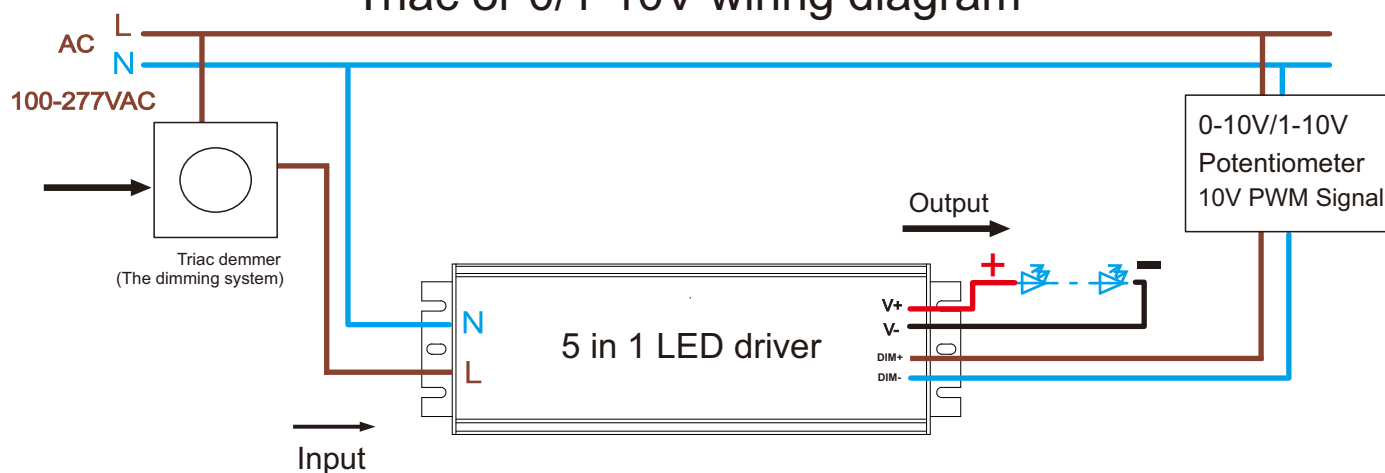
Note:

1. Unless otherwise specified, all specifications and parameters shall be measured at the input of 230VAC, rated load and ambient temperature of 25°C.
2. Ripple and noise measurement method: A12" twisted-pair line with 0.1uF and47uF capacitors in parallel should be used for measurement under 20MHZ bandwidth.
3. The start time is measured under the starting of the cold machine.
Frequent switching on and o ffmay increase the start time.
4. The driver is regarded as a component used in combination with the terminal equipment.
Since the EMC is affected by the whole device, the manufacturer of the terminal equipment needs to reconfirm the EMC of the whole device.

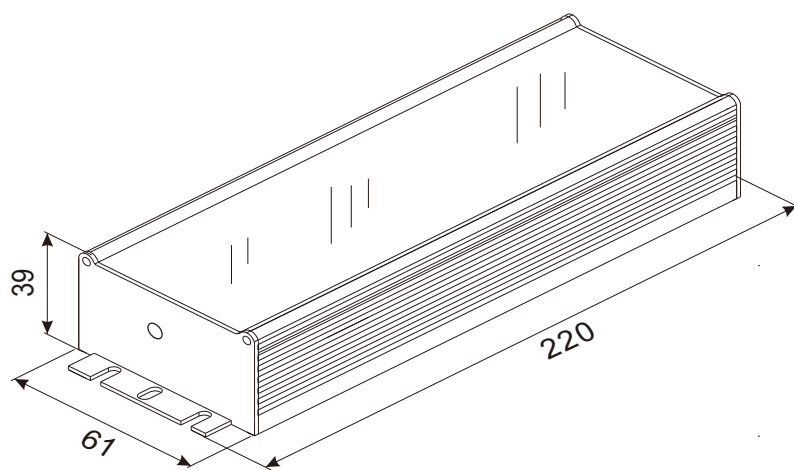
MSD-MV150 Series

Installation Introduction

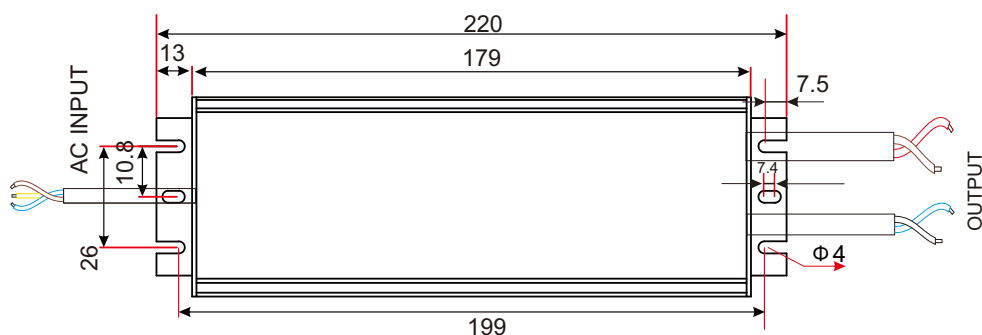
Triac or 0/1-10V wiring diagram



Dimensions Chart



Unit:mm



Unit:mm