

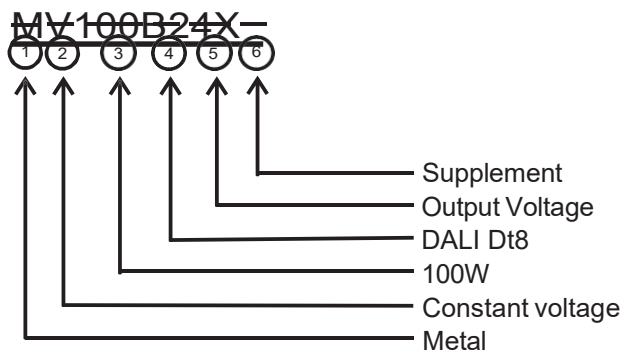
Product Features

MSD-MV100 Series

- Wide input Voltage range 100-277VAVC
- High efficiency >90%, PF >0.95.
- DALI IEC62386 design, compatible with DALI V1&V2;
- IP Grade: 67, suitable for indoor and outdoor usage
- Short circuit & over-current & over-voltage protection
- CE SAA TUV ETL UL passed
- Natural wind heat dissipation
- long lifespan & 5 years warranty



Naming rule



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.

Number	Function
①	M: Metal P: Plastic
②	V: Constant voltage C: Constant current
③	100: 100W
④	A: 0/1-10V D: DALI T: Triac N: No DIM B: DALI Triac TA: 0-10V & Triac P: PUSH DP: DALI PUSH
⑤	Output Voltage
⑥	Supplement 例U: UFO

Technical Parameters

MSD-MV100 Series

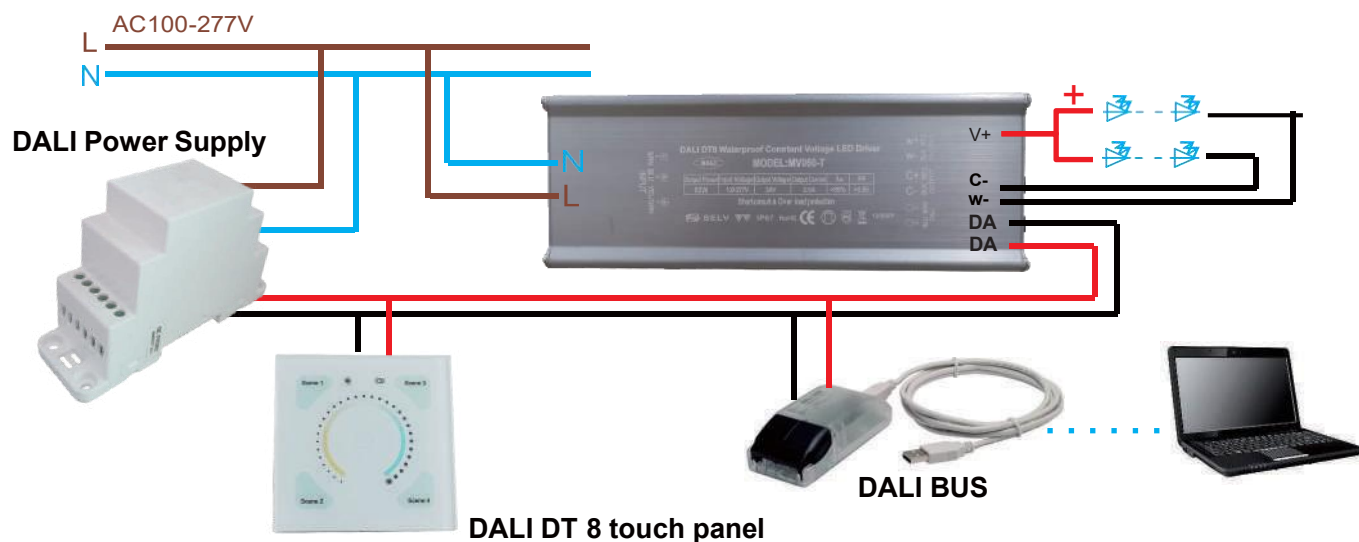
Model		MV100			
Output	Voltage	12V	24V	36V	48V
	Current	8.33A(Max)	4.16A(Max)	2.77A(Max)	2.08A(Max)
	Power	100W	100W	100W	100W
	Ripple& noise(max)	<200mVp-p	<250mVp-p	<250mVp-p	<250mVp-p
	Efficiency Full load	86%@110VAC	89%@110VAC	89%@110VAC	89%@110VAC
		88%@230VAC	90%@230VAC	90%@230VAC	90%@230VAC
	Start, rise time		500ms, 100ms/230VAC, 1000ms, 100ms/110VAC		
Input	Hold time		10ms/110VAC, 230VAC		
	Input votage		100-277VAC		
	Frequency		50-60Hz		
	Power Factor		PF>0.95@110VAC PF>0.95@230VAC		
	THD		<17%@230V		
	Standby power		<2W		
	Current		1.05Amax@100VAC		
Protection	Inrush Current		Cold start 70A(twidth=350us measured at 50% Ipeak)@230VAC		
	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		
Safety& EMC	Over temperature		No Output ,recovers after temperature<110°C		
	Surge		L-N:2KV,L,N-PG:4KV		
	Withstand Voltage		I/P-O/P:3.75KVAC/1min/5mA;I/P-GND:2KVAC/1min/5mA		
Environment	Safety Standards		IEC/EN61347-1,IEC/EN61347-2-13		
	Working Temp		-25°C~45°C		
	Storage Temp		-40°C~85°C		
	Tc		85°C		
Others	IP Rating		IP67		
	Dimension		206*68*39mm		
	Weight		1000g		

Note:

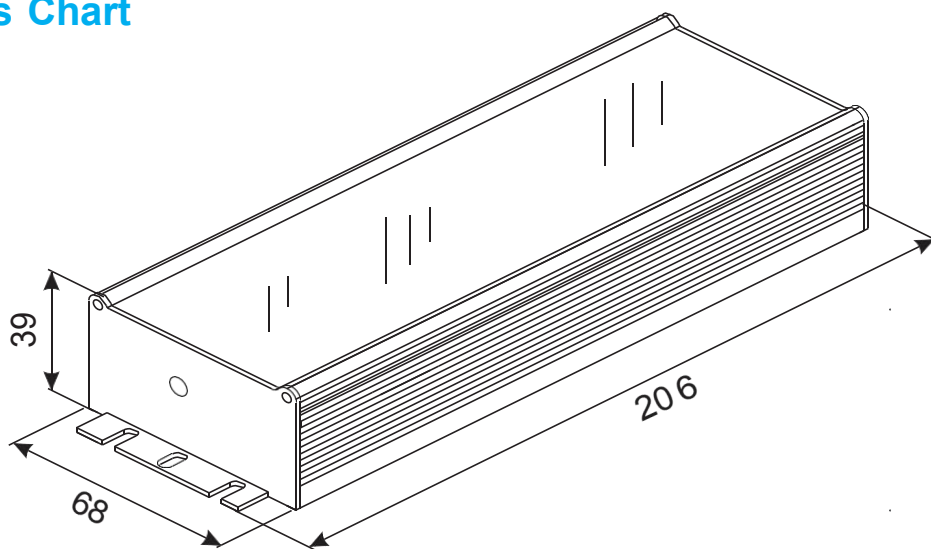
1. Unless otherwise specified, all specifications and parameters shall be measured at the input of 230VAC, rated load and ambient temperature of 25°C.
2. Ripple and noise measurement method: A12" twisted-pair line with 0.1uF and47uF capacitors in parallel should be used for measurement under 20MHZ bandwidth.
3. The start time is measured under the starting of the cold machine.
Frequent switching on and o fffmay 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.

Installation Introduction

MSD-MV100 Series



Dimensions Chart



Install size

