

DM HIGH END WATERPROOF SERIES IP68

12V/24V 36W-400W



*Outdoor LED Lighting, Underwater Lighting, Marine and Dock Lighting, Swimming Pools and Fountains, Parking Lots and Building Exteriors

FEATURE

- ◎ Wide Temperature Range, Sealed Housing
- ◎ High efficiency above 90%
- ◎ 5Years warranty. Durability in Harsh Conditions
- ◎ IP68 design for indoor and outdoor use
- ◎ All 100% aging test and full load
- ◎ Protection over voltage, over current, short

PRODUCT PARAMETERS

CE FC CQC SAA RoHS

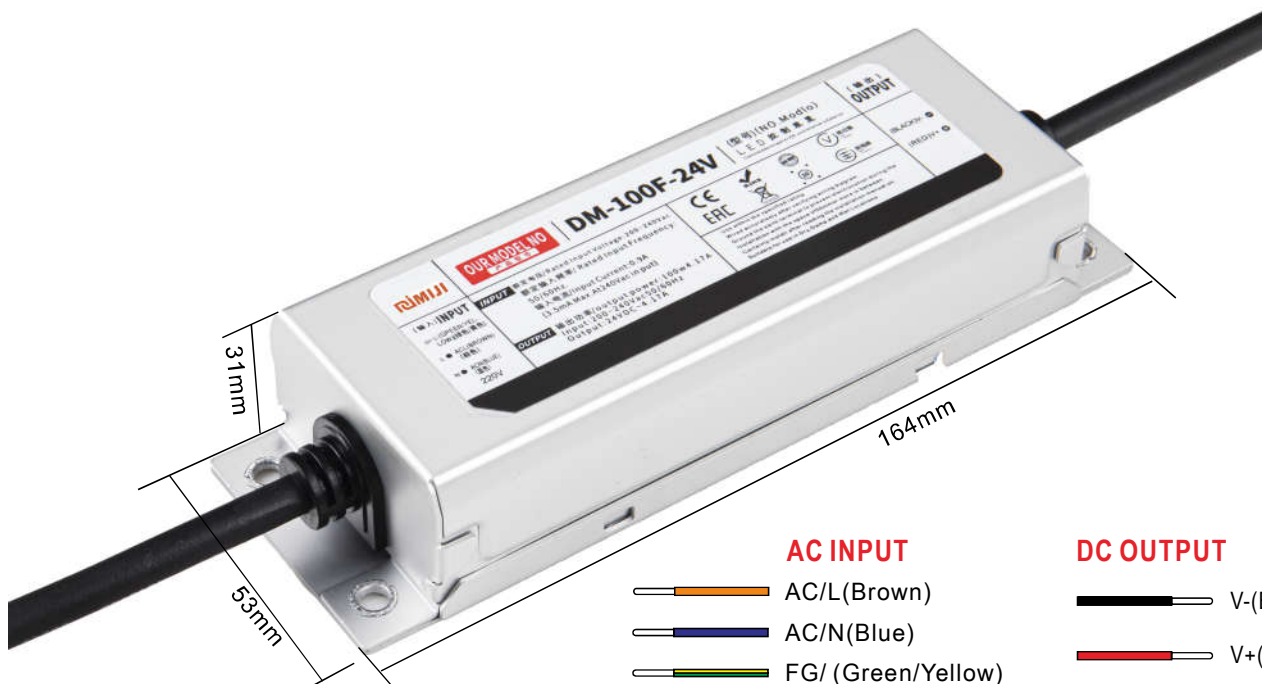
Model	Pout	Vin	Vout	Iout	Effi	IP	Size(mm)	Weight(g)	Cooling
DM-36-12	36W	200-240V AC	DC12V/24V	3.0A/1.5A	93%	IP68	126*41*27	217g	Natural Cooling
DM-60-12	60W	200-240V AC	DC12V/24V	5.0A/2.5A	93%	IP68	143*49*31	255g	Natural Cooling
DM-100-12	100W	200-240V AC	DC12V/24V	8.3A/4.1A	93%	IP68	164*53*31	505g	Natural Cooling
DM-150-12	150W	200-240V AC	DC12V/24V	12.5A/6.25A	93%	IP68	176*57*34	898g	Natural Cooling
DM-200-12	200W	200-240V AC	DC12V/24V	16.7A/8.33A	92%	IP68	186*60*36	982g	Natural Cooling
DM-300-12	300W	200-240V AC	DC12V/24V	25.0A/12.5A	90%	IP68	200*67*36	1085g	Natural Cooling
DM-400-12	400W	200-240V AC	DC12V/24V	33.3A/16.7A	90%	IP68	230*67*36	1110g	Natural Cooling

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DM-100W 12V

MODEL	LED POWER SUPPLY	DM-100W 12V	DM-100W 24V
OUTPUT	Output voltage	12V DC	24V DC
	Output voltage range	12VDC±0.5VDC	24VDC±0.5VDC
	Output Current	Max 8.3A	Max 4.16A
	Output power	Max 100W	
	Output power range	0~100W	
	Ripple & Noise	≤120mV	≤240mV
	Linear Regulation	±1%	
	Load Regulation	±1%	
	Start-up Time (Typ)	600ms/230VAC	
	Hold Up Time(Typ)	100ms/230VAC	
INPUT	Input voltage	200-240Vac	
	Frequency	50/60Hz	
	Input current	0.52A/230Vac	
	Power factor	PF>0.8	
	No-load power consumption	≤3W	
	Efficiency (typ.)	89%	91%
	Inrush current(typ.)	Cold start 50A at 230Vac	
	Control surge capability	L,N:2KV L,N-PE:4KV	
	Leakage current	Max. 0.5mA	
ENVIRONMENT	Working temperature	ta: -30°C~ 50°C tc: 80°C	
	Working humidity	20 ~ 99%RH, condensing (Waterproof)	
	Storage temp., humidity	-40°C ~ 80°C, 10~95%RH	
PROTECTION	Overtemperature	Protection type: Turn off the output voltage, after the temperature drops, re-energize to restore.	
	Over load protection	Shut down the output when current load above 110%~150%, auto recovers.	
	Short circuit protection	Protection type: It can be automatically restored after the fault is eliminated.	
SAFETY&EMC	Withstand voltage	I/P-O/P:3750Vac	
	Isolation resistance	I/P-O/P: 100MΩ/500VDC/25°C/70%RH	
	Safety standards	IEC/EN61347;IEC/EN60950;IP67	
	EMC Test Standards	EN55015: 2013;EN61547: 2009; EN61000-3-2:2014; EN61000-3-3:2013	
Reliabilityand Quality Control	Impact aging	100% of the product is fully loaded and impacted for 4 hours under an environment of at least 40°C±5°C	
	Component derating	Under the steady-state conditions of rated input and output, the stress of components will not exceed its maximum nominal value	
NOTE	1.All parameters not specifically mentioned are measured at 230VAC input, rated load and 25°C ambient temperature. 2.Ripple and noise test method: connect 0.1uF and 47uF capacitors in parallel at the terminal, and measure under 20MHZ bandwidth. 3.Ensure that the power supply is used under the rated parameters and environment.		

DM-100W 12V



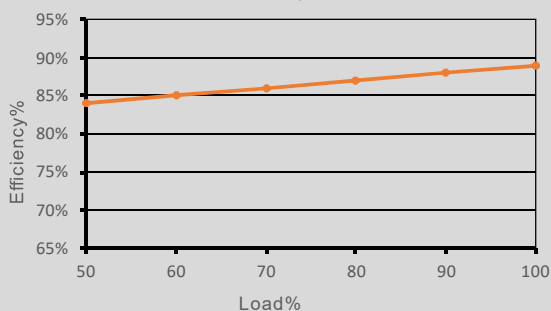
AC INPUT

- AC/L(Brown)
- AC/N(Blue)
- FG/ (Green/Yellow)

DC OUTPUT

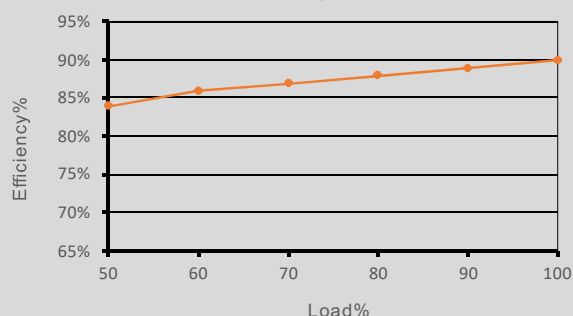
- V-(Black)
- V+(Red)

Efficiency vs Load



DM-12V 100W

Efficiency vs Load

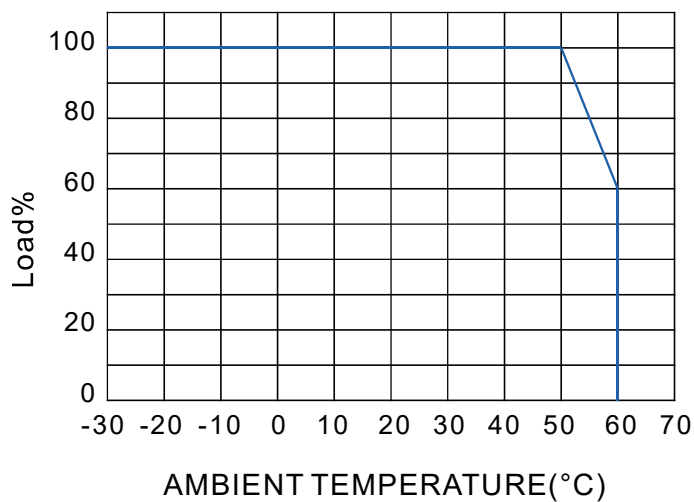


DM-24V 100W

Packaging Information

DIMENSION	164*53*31(LxWxH)
PACKING	170*56*34(LxWxH)
PCS/CTN	30pcs
CARTON SIZE	510*320*400(LxWxH)
WEIGHT	390g±10g/PCS

Temperature load curve



230Vac

