

# 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

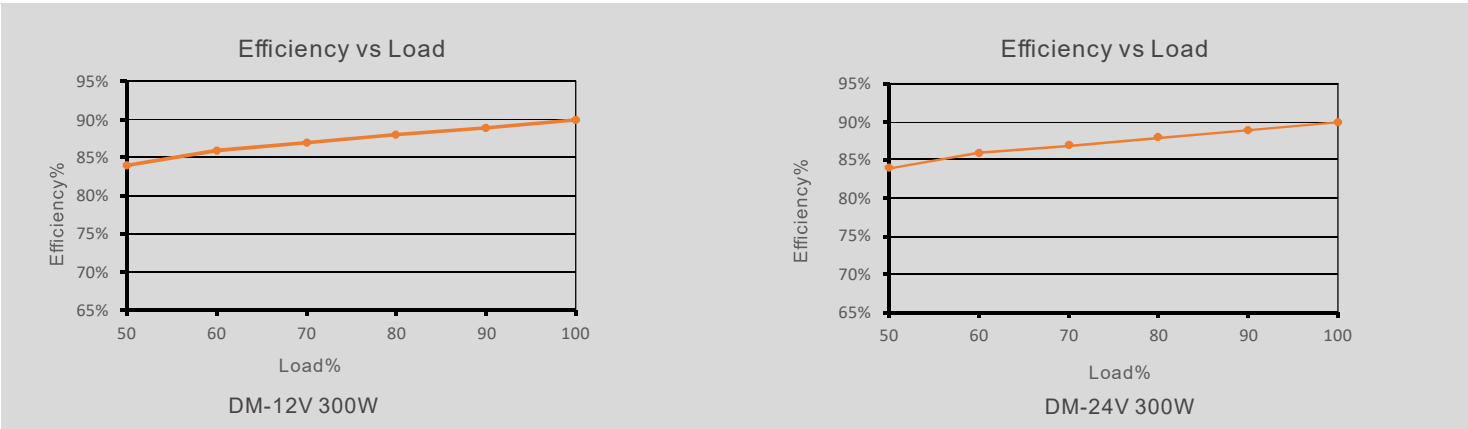
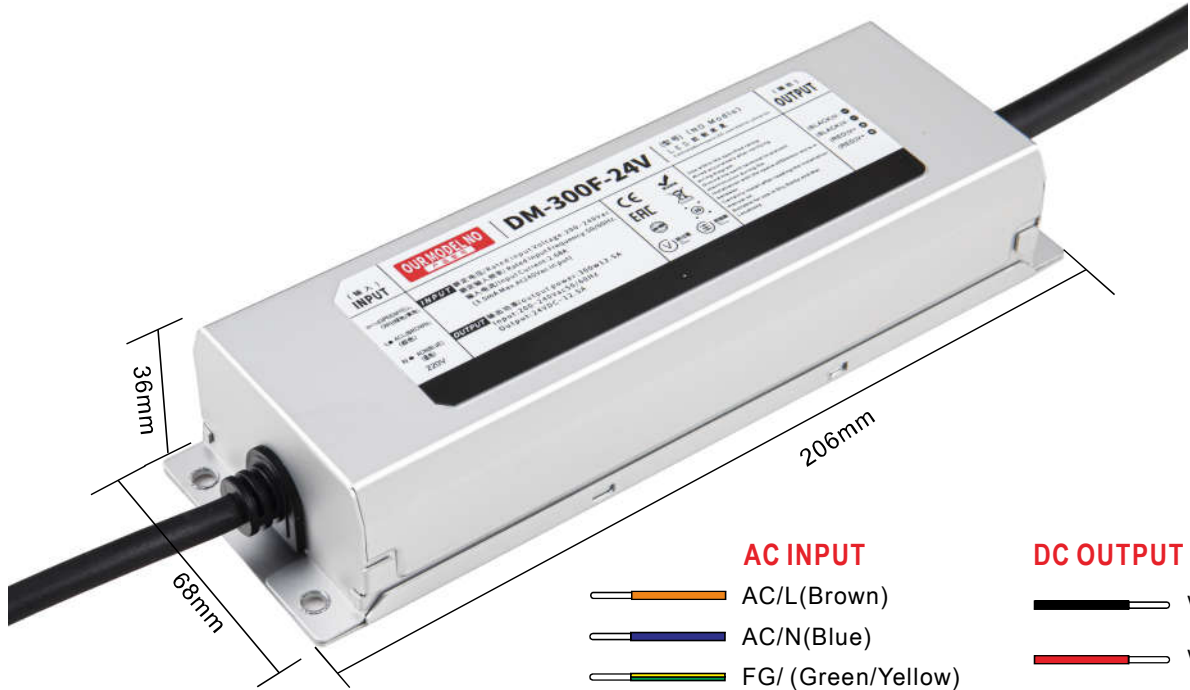


Model	Pout	Vin	Vout	Iout	Effi	IP	Size(mm)	Weight(g)	Cooling
DM-36-12	36W	200-240V AC	DC12V/24V	3.0A/1.5A	93%	IP68	126*41*27	217g	Natural Cooling
DM-60-12	60W	200-240V AC	DC12V/24V	5.0A/2.5A	93%	IP68	143*49*31	255g	Natural Cooling
DM-100-12	100W	200-240V AC	DC12V/24V	8.3A/4.1A	93%	IP68	164*53*31	505g	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

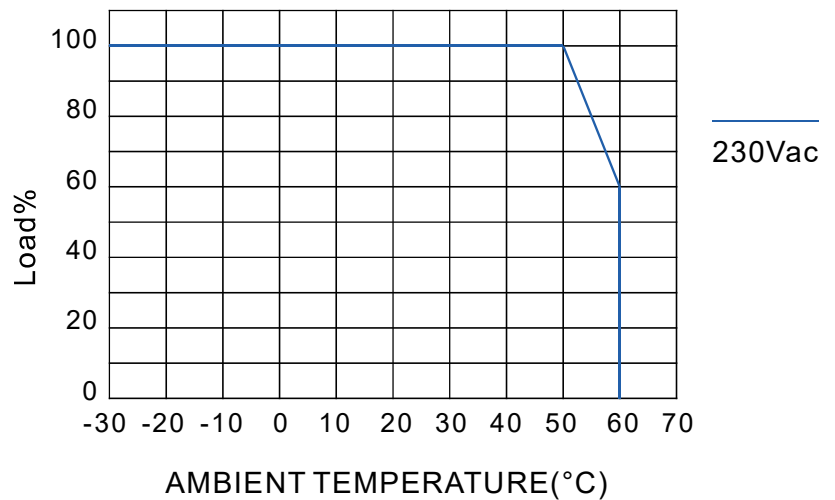
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MODEL	LED POWER SUPPLY	DM-300W 12V	DM-300W 24V
OUTPUT	Output voltage	12V DC	24V DC
	Output voltage range	12VDC±0.5VDC	24VDC±0.5VDC
	Output Current	Max 25A	Max 12.5A
	Output power	Max 300W	
	Output power range	0~300W	
	Ripple & Noise	≤120mV	≤240mV
	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	<p>1.All parameters not specifically mentioned are measured at 230VAC input, rated load and 25°C ambient temperature.</p> <p>2.Ripple and noise test method: connect 0.1uF and 47uF capacitors in parallel at the terminal, and measure under 20MHZ bandwidth.</p> <p>3.Ensure that the power supply is used under the rated parameters and environment.</p>		

**DM-300W 12V**



**Temperature load curve**



**Packaging Information**

DIMENSION	200*67*36(LxWxH)
PACKING	206*70*39(LxWxH)
PCS/CTN	16pcs
CARTON SIZE	510*320*400(LxWxH)
WEIGHT	880g±10g/PCS