

SPECIFICATION FOR APPROVAL

LED POWER SUPPLY

CUSTOMER :

DESCRIPTION : Input:220~240V AC 50/60Hz

Output:12VDC 2A

OUR MODEL NO : MLED-12V24W-IP67

SAMPLE COLOR : Black () White ()

SALES:

APPROVED BY:

Rev.List:

Rev:A0	Date:2023-11-27	Description: New Rev	Design: Wang
Rev:	Date:	/Description:	Design:
Rev:	Date:	Description:	Design:
Rev:	Date:	Description:	Design:

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1、 Scope description

This product for the LED driver , the product operational factors is the constant voltage model

2、 Electrical specifications

类别	Item	Technical Norm
	Max. Output Wattage	24W
Input	Rated input voltage	220-240VAC
	Range of input voltage	198-264VAC
	Frequency(Hz)	50/60Hz
	Power Factor	≥0.9 @Full Load 220-240VAC
	Current	0.2A MAX. @Full Load , 220-240VAC
	Start-up time	< 1S for ERP @Full Load
	Unload Power Consumption	≤0.5W
Output	Unload voltage	12.6VDC MAX.
	Load Voltage rang	11.4-12.6VDC
	Constant Voltage	12V
	Voltage Accuracy	±5% @220-240VAC
	Voltage Regulation	≤5%@Full Load
	Hold-up Time	NA
	Efficiency in full load	≥81.00%@Full Load ,230VAC/50HZ
Ripple	< 500mVp-p @Full Load , 220-240VAC	
Measured methods:	Output in parallel with a 0.1uf ceramic chip capacitor and a 10uf electrolytic capacitor Measured using a 20MHz bandwidth	
Protection	Over Load Protection	Protection type: Auto Restore
	Over Voltage Protection	Protection type: Auto Restore
	Short circuit Protection	Protection type: Auto Restore
	Over Temperature protection	Protection type: Auto Restore

Hi-pot	Input-Output(V.AC)	3000V/5mA/1min
	Input-FG(V.AC)	NA
	Output-FG(V.AC)	NA
Isolation resistance	Input-Output(V.AC)	≥100MΩ@500VDC
	Input-FG(V.AC)	NA
	Output-FG(V.AC)	NA
Environment/ Life span	Operating Temperature	-20°C...45°C
	tc	85°C
	Storage Temperature	-40°C...80°C
	Humidity	20%-90%RH
	Life time	30,000h @230V@Ta20-45°C
	HSF requirement	RoHS
feature	Dimension (LXWXH)	121*37.5*26.2 (L * W * H)mm
Safety & EMC	Approval	CE
	Safety standards	EN 61347-2-13;2014+A1:2017used in conjunction with EN 61347-1:2015+A1:2021
	EMI	EN IEC 55015:2019+A11:2020 EN61547:2009 EN61000-3-2:2019+A1:2021 EN 61000-3-3:2013+A1:2019+A2:2021
Note	All parameters NOT specially mentioned are measured at rated input or max rated input , and 25°C of ambient temperature	

3、 IP Grade: IP67

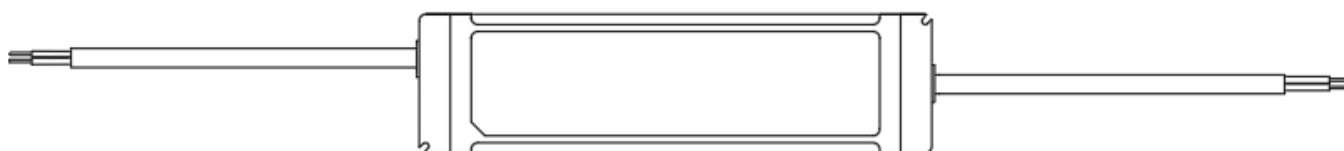
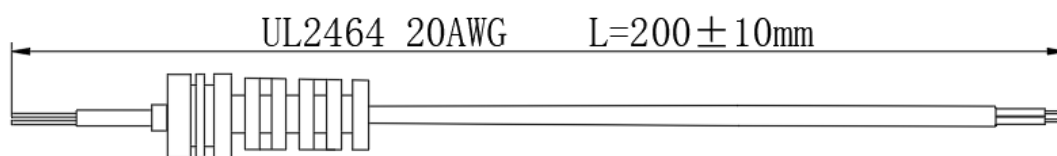
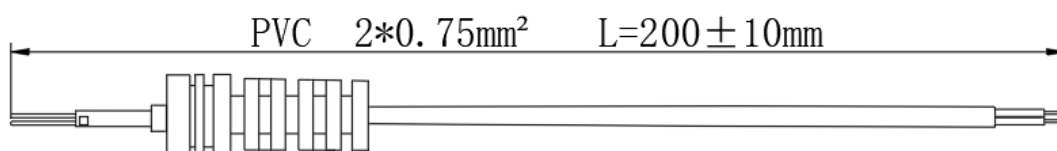
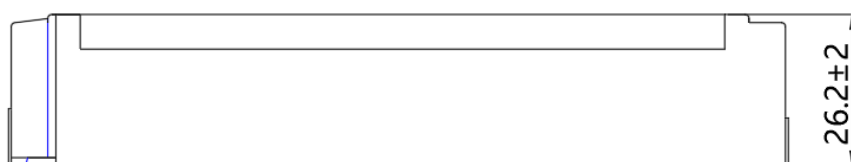
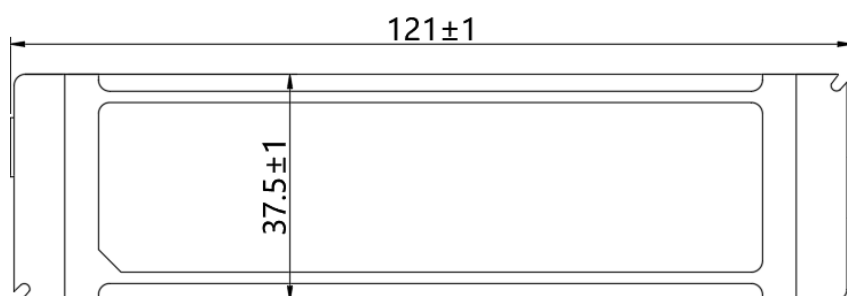
4、 MECHANICAL REQUIREMENT:

4.1 Enclosure: The power supply size: L121x W37.5x H26.2mm;

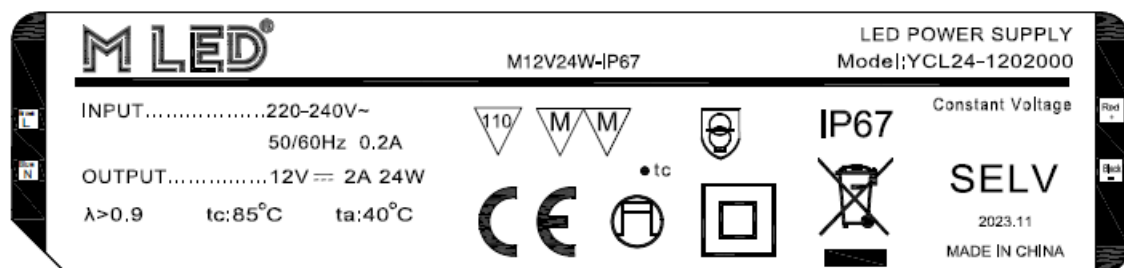
5、 Wire gauge and form factor -

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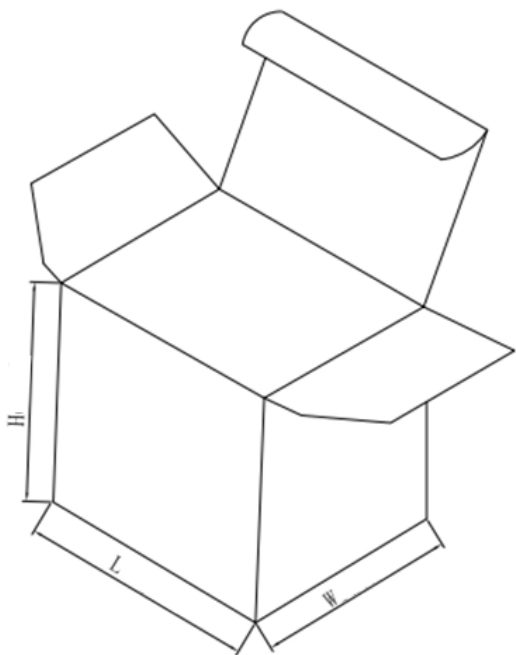
AC Input	PVC 2*0.75 mm ²	0.2m
DC Output	UL2464 22/2C	0.2m



6、 LABEL :



7. PACKING

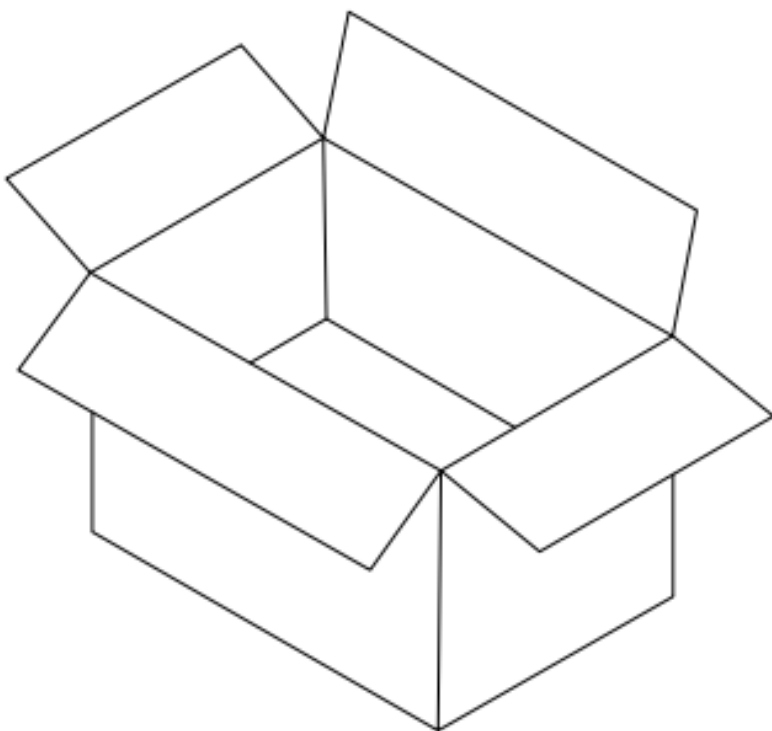


Inner box:

Length:170mm

Width:55mm

Height:50mm



Outside box:

355L*300W*275H (mm)

Quantity:50PCS