LED Power Supply(Constant Voltage)

MU Series 60-400 watts models available in 12-24volt DC output

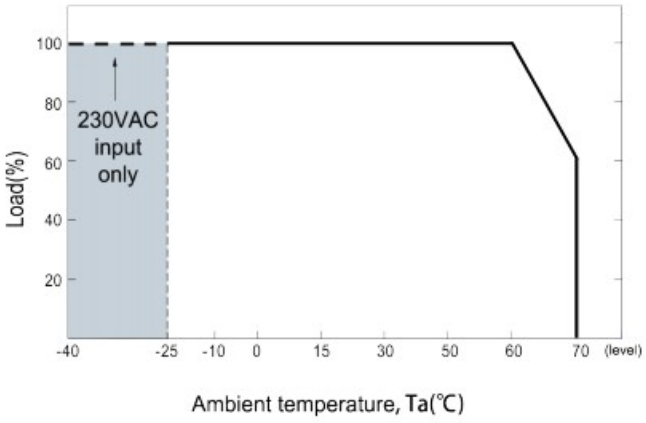
■ Features

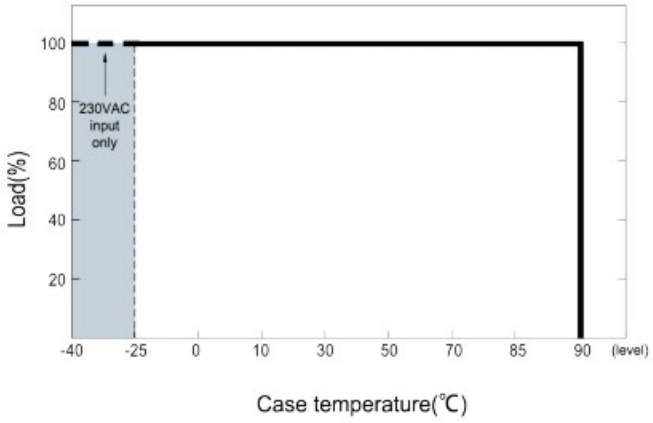
- Constant Voltage(C.V.) output
- High efficiency up to 88%
- Input voltage:180-265VAC
- Protections:Short circuit/Over current/Over load/Over temperature
- Cooling by free air convection
- Noise free
- Aluminium Casing
- OEM & ODM, Support customization
- 2 Years warranty

	MODEL	MN-60W12V	MN-60W24	MN-100W12V	MN-100W24V	MN-150W12V	MN-150W24V	MN-200W12V	MN-200W24V	MN-300W12V	MN-300W24V	MN-400W12V	MN-400W124V	MN-OEM /ODM
OUTPUT	DC Voltage	12V	24V	12V	24V	12V	24V	12V	24V	12V	24V	12V	24V	36-48V option
	Rated Current	5A	2.5A	8.33A	4.16A	12.5A	6.25A	16.6A	8.3A	25A	12.5A	29A	16.6A	1-8A
	Rated Power	60W		100W		150W		200W		300W		400W		60-400W
	Voltage Tolerance	+/-0.5V												
	Start-up Time (Typ.)	<300ms/230VAC												
INPUT	Voltage Range	180-265VAC												
	Frequency Range	50/60Hz												
	AC Current (Typ.)	0.62A	0.62A	1.45A	1.45A	1.54A	1.54A	1.65A	1.65A	2.85A	2.85A	3.6A	3.6A	/
	Efficiency (Typ.)	87%	88%	88%	88%	88%	88%	88%	88%	88%	88%	90%	91%	
	Inrush Current (Typ.)	<50A /230VAC												
	Leakage current	<0.5mA /230VAC												
Protection	Over Current	Hiccup mode, auto-recovery upon removal of fault condition												
	Over-temperature	Intelligent temperature control												
	Short Circuit	Hiccup mode, auto-recovery upon removal of fault condition												
ENVIRO.	Ta	4°F (-20°C) to 104°F (40°C)												
	Working Humidity	20 – 90% Relative Humidity, non-condensing												
	Storage Temp. & RH	-40°F (-40°C) to 176°F (80°C), 10 – 95% Relative Humidity												
	Vibration	10 – 500Hz, 2G 10min./1cycle, period for 60min. each along X,Y,Z axes												

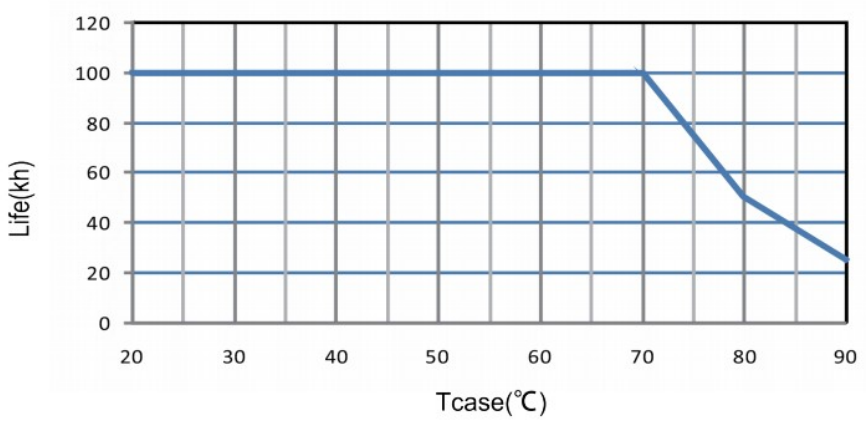
SAFETY & EMC	Safety Standards	EN61347; GB4943
	Withstand Voltage	I/P-O/P:1.5KVAC/5mA/1min I/P-FG:1.5KVAC/5mA/1min O/P-FG:0.5KVAC/5mA/1min
	Isolation Resistance	I/P- O/P: 100M Ohms/ 500VDC/25℃/ 70% RH
OTHER	MTBF	30000Hours
	Cooling	Free Air Convection
	Case	Metal case
Note	1.All parameters not specially mentioned are measured at 230VAC input, rated load and 25℃ of ambient temperature. 2.Tolerance: includes set up tolerance, line regulation and load regulation. 3.Length of set time is measured at first cold starting. Turning ON/OFF the power supply may increase of the length of set time. 4.When the maximum temperature point Tc of the shell of this series is lower than 60℃, the working life is more than 50,000hours. 5.Please refer to the product warranty on QINX Technology website http://www.qinxtech.com. 6.If you need other special parameters, please contact our customer service for consultation!	

■ Output load VS Temperature

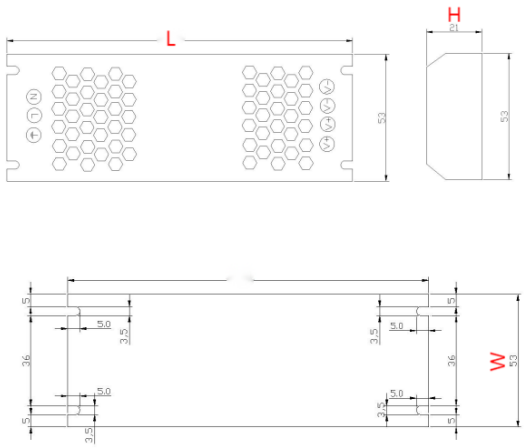




■ Life



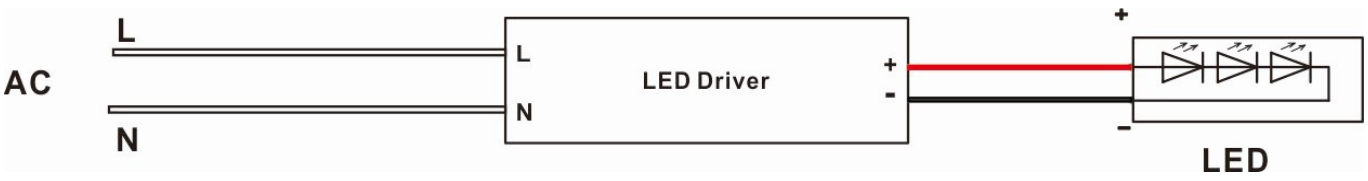
■ Mechanial Specification



UNIT:mm

Model	Power	Size(L*W*H)	Weight	Packing
MN-60W12V MN-60W24V	60W	L145xW53xH21mm	0.14kg	100pcs/14KG/CTN
MN-100W12V MN-100W24V	100W	L168xW53xH21mm	0.15kg	100pcs/15KG/CTN
MN-150W12V MN-150W24V	150W	L235xW53xH21mm	0.19Kg	80pcs/16KG/CTN
MN-200W12V MN-200W24V	200W	L235xW53xH21mm	0.28Kg	45pcs/12KG/CTN
MN-300W12V MN-300W24V	300W	L390 ×W 335 ×H 190 mm	0.29Kg	45pcs/13KG/CTN
MN-400W12V MN-400W24V	400W	L 380 ×W 350 ×H 240 mm	0.33Kg	60pcs/20KG/CTN

■ Connecting Diagram



■ Instruction:

1) This driver should be installed by qualified and professional person;
2) Please make sure the driver is installed with adequate ventilation around it to allow for heat dissipation.
3) Ensure that wiring is correct before test in order to avoid light and power supply damage;