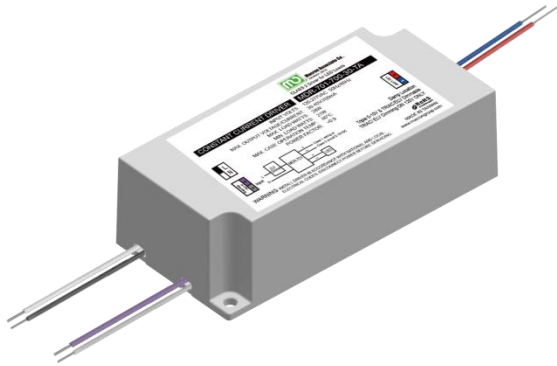




SPECIFICATIONS



Note-

1. UL File: E340871

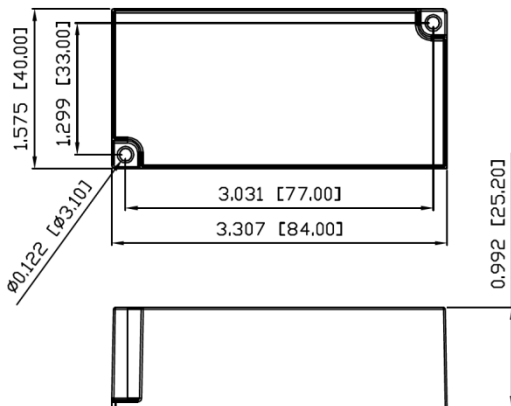


Mechanical and Thermal

Dimensions L 3.307" × W1.575" × H 0.992"

Lead Wire Length 6" (Standard)

Max. Case Operation Temp. 80°C



* Dimension in Inch / metrics

MDR-701-800-21-TA

Features

- ✓ 0-10V & TRIAC/ELV Dimmable in 1
- ✓ Compact size
- ✓ Low profile
- ✓ Constant Current Output
- ✓ Active Power Factor
- ✓ Class 2 compliance
- ✓ 5 Year Warranty
- ✓ Universal Input (Dim on 120V For TRIAC/ELV & 120/277V For 0-10V)
- ✓ Ultra low Ripple

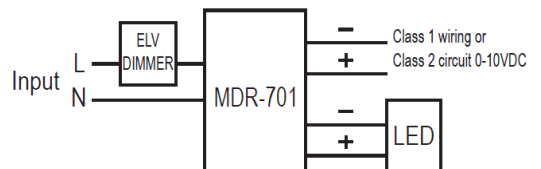
Protection

- Auto-reset electronic short circuit
- Overload protection
- Thermal protection
- Class 2

Environmental Specifications

- MTBF >100,000 hrs
- RoHS Compliant
- Lead Free SMT process
- Power Factor Correction / Low Load
- FCC Part 15 Class B compliant

Wiring Diagram



Input - specification

	Units	Minimum	Typical	Maximum	Notes
Input Voltage Range(Vin)	Vac	108	120-277	304	
Input Frequency Range	Hz	50	60	63	
Input Power	W		29		
Power Factor(PF)		0.9	>0.9		>80% Load
Input Current	A	-	-	0.24A@120VAC 0.11A@277VAC	
Inrush Current	A			4 A peak	According to NEMA410
Total Harmonics Distortion (THD)				20%	1. At nominal input voltage and nominal LED voltage
					2. Measure at full load
Efficiency		-	>80%	-	Efficiency is measured after driver has thermally stabilized + full load
Isolation	Meet UL1310/UL8750 for class 2 isolation power supply				

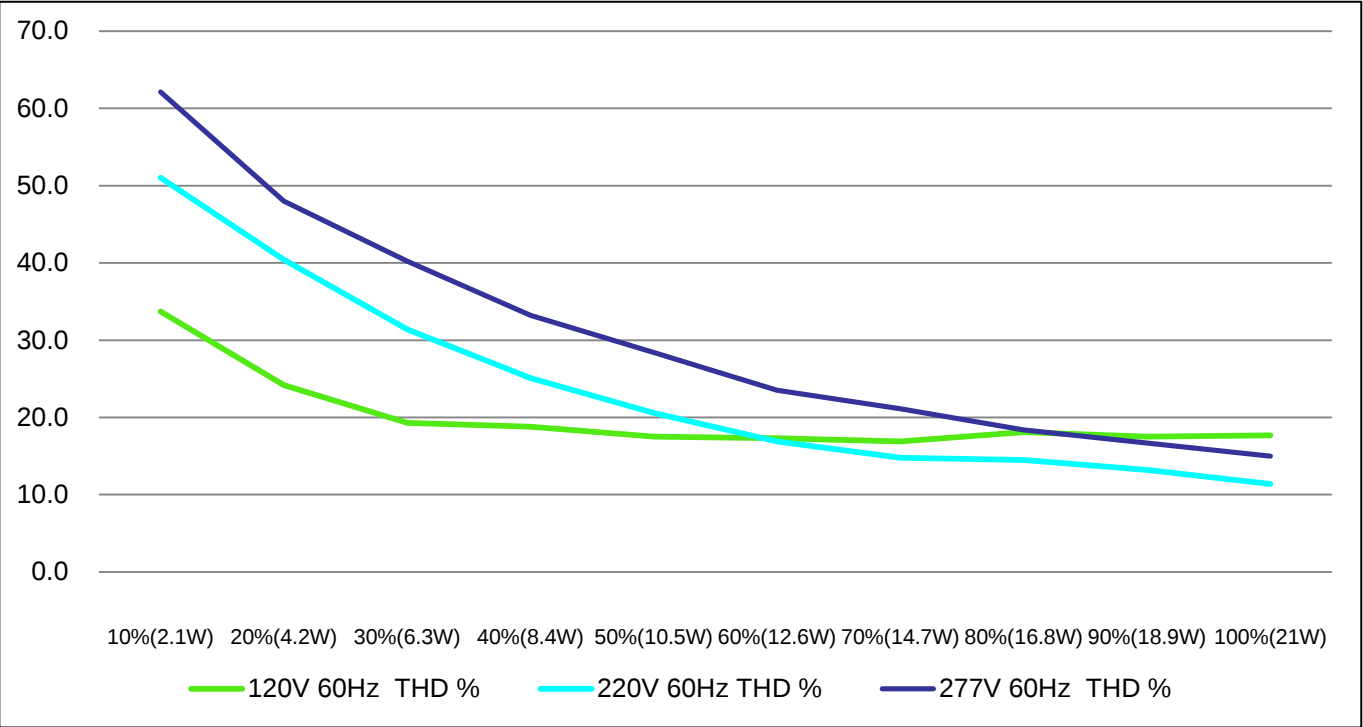
Output - specification

	Units	Minimum	Typical	Maximum	Notes
Output Voltage(V out)	Vdc	8		26	
Output Current(I out)	mA		800		
Output Current Tolerance	%		±3		
Output Ripple Current	<20% peak-to-peak of 800mA				≤20% pk-to-pk of the rated output current
					At nominal LED voltage and nominal input voltage without dimming
Dimming Range	%	2% for TRIAC / ELV		100%	Please refer to Dimmer compatibility list
		< 2% for 0-10V			
Start-up Time	ms		200-300		With nominal LED voltage and without dimmer attached
			300-350		With nominal LED voltage, with an recommended dimmer attached(see dimmer compatibility list) and at the full dimming conduction angle
Operation Case Temperature	°C	-30		80°C	
Isolation	Meet UL1310/UL8750 for class 2 isolation power supply				

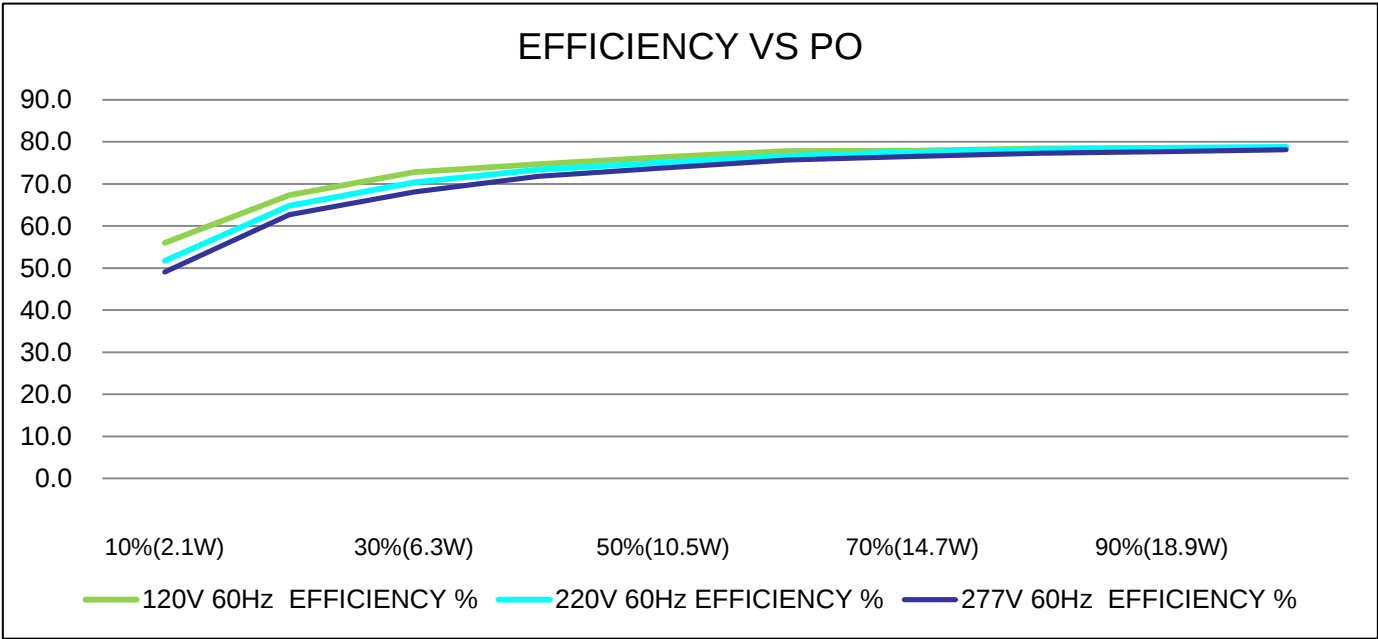
EMC / Protection / Compliance

Conducted and Radiated EMI		FCC CFR Title 47 Part 15 Class B and EN55015(CISPR 15) Class B compliant		
Immunity Compliance	ESD (Electrostatic Discharge)	IEC61000-4-2	6 kV contact discharge, 8 kV air discharge, level 3	
	Electrical Fast Transient	IEC61000-4-4	±2 kV on AC power port for 1 minute, ±1kV on signal/control lines	
	Surge	IEC61000-4-5	±1kV line to line/±2kV line to earth on AC power port, ±0.5kV for outdoor cables	
Transient Protection	Ring Wave		ANSI/IEEE c62.41-1-2002 & c62.41-2-2002 category A, 2.5kV ring wave	

THD of the driver VS Power Output (W) :

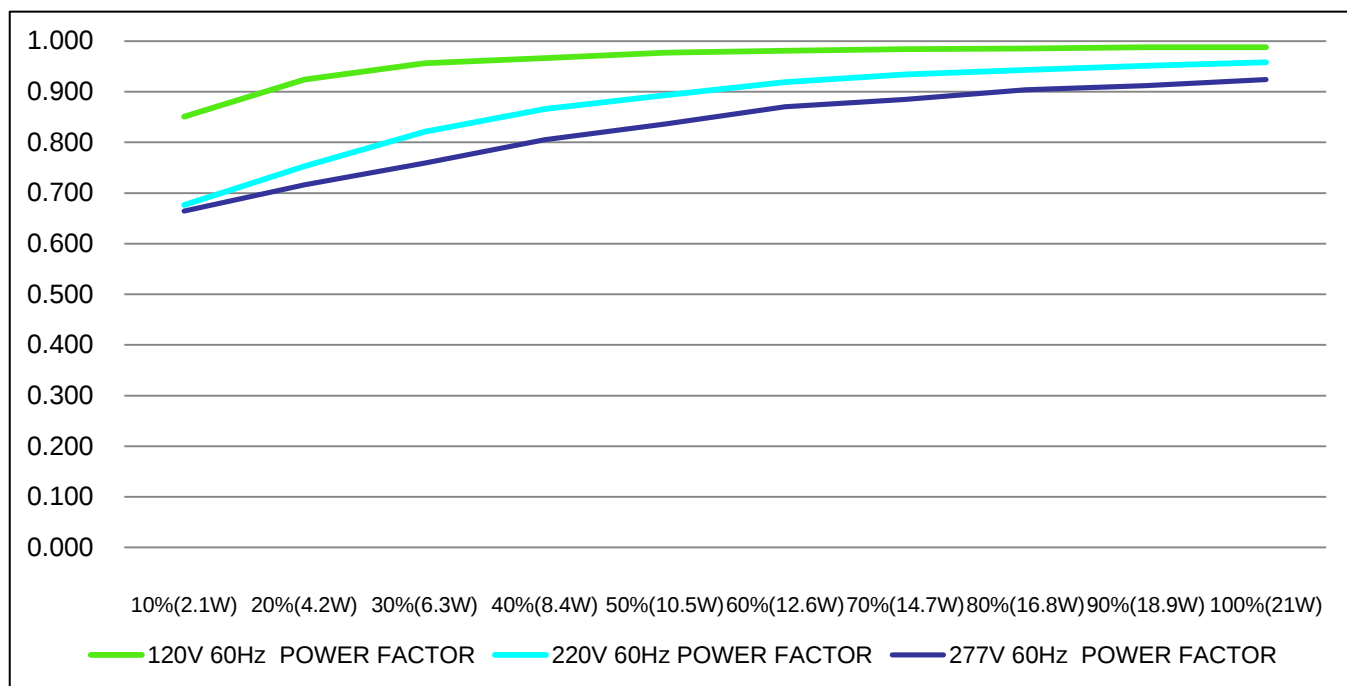


Efficiency of the driver VS Power Output (W) :

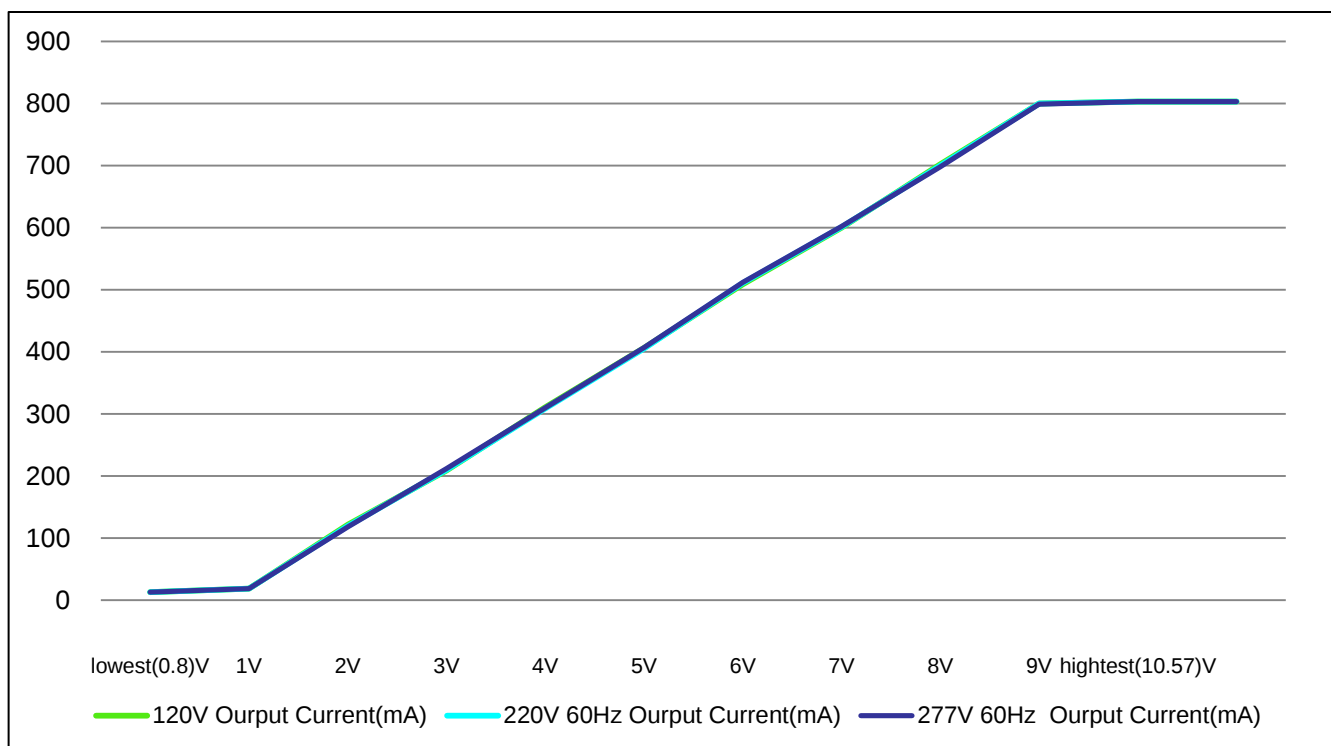


Electrical Specifications

Power Factor of the driver VS Power Output (W) :



Dim Voltage(V) VS Output Current



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