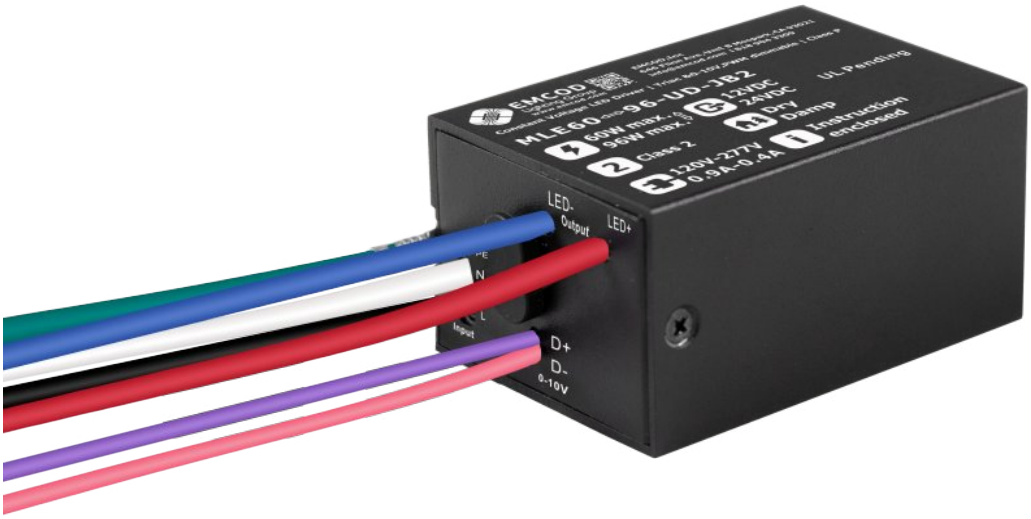
TRIAC & 0-10V Dimmable LED Driver - Constant Voltage Output MLE-UD-JB2 Series 60W or 96W

P/N: MLE6012(-)9624-UD-JB2

Class 2 ClassP SELV RoHS Reach

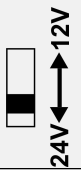


Features

Output:	Constant Voltage
Range:	120-277VAC
PFC design:	Built-in active PFC function
Efficiency:	Up to 92.5%
Protections:	Short circuit / Over load / Over temperature
Heat dissipation:	Cooling by free air convection
Waterproof performance:	For dry, damp & wet locations.
Dimming function:	Phase dimming: work with Forward phase, MLV and Reverse phase, ELV, TRIAC dimmers. 0-10V dimming: 0-10V/1-10V/Potentiometer/10V PWM 4 in 1.
Min load	Min load is 15%
Dimming range:	PWM: 0-100%
Dimming depth:	PWM: 0.1%
Others:	20KHZ PWM output with dimming curve is a gamma 2.2 curve Flicker-free
Application:	Suitable for the application of LED lighting
Warranty:	5 years warranty

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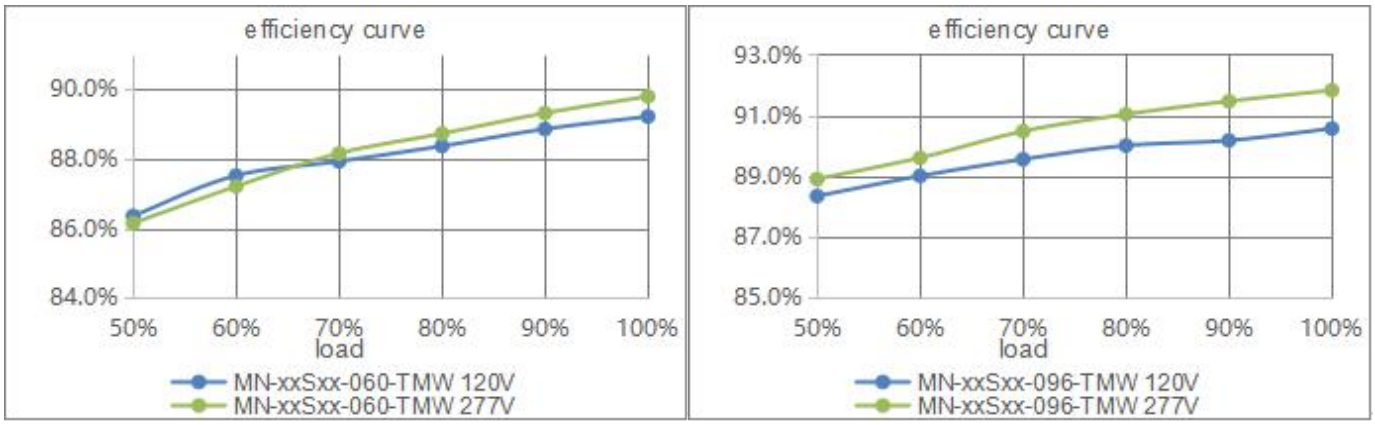
Specification

Model		MLE6012(-)9624-UD-JB2	
Voltage switch state			
Certificate		UL Pending/ FCC / Class P / Class 2 / SELV / ROHS / REACH	
Output	DC Voltage	12V	24V
	Voltage Tolerance	±0.5V	
	Voltage Regulation	≤0.5%	
	Load Regulation	≤1%	
	Rated current	5A	4A
	Rated power	60W	96W
Input	Voltage Range	120-277VAC	
	Frequency Range	50 / 60Hz	
	Power Factor @ full load	>0.95	
	THD(Typ.) @ full load	<10%@120VAC <15%@277VAC	
	Efficiency(Typ.) @ full load	≥89.5%@120VAC ≥90.5%@277VAC	≥91%@120VAC ≥92.5%@277VAC
	AC Current (Max.)	0.6A	0.9A
	Inrush Current (Typ.)	51A,208us@50%Ipeak 120VAC 103A,452us@50%Ipeak 277VAC	
	Leakage current	<0.5mA	
Protection	Short Circuit	Hiccup mode, can be automatically restored after abnormal removal.	
	Over Load	105%~110% Constant - Current Mode, automatic recovery after exception.	
	Over temperature	shell surface temperature reaches 100℃±10℃, shut down o/p voltage and automatically recover after cooling	
Environment	Working TEMP.	-40~+60℃ (see below derating curve)	
	Working Humidity	20 - 95%RH non-condensing	
	Storage TEM.,Humidity	-40 - +80℃,10 - 95% RH non-condensing	
	TEMP.coefficient	±0.03%/℃(0 - 50℃)	
	Vibration	10 ~ 500Hz, 5G 12 minutes/cycle, X Y Z axis 72 minutes each	
Safety & EMC	Safety standards	UL8750; CAN/CSA-C22.2 No.250.13	
	Withstand voltage	I/P-O/P: 1.88KVac I/P-FG: 1.88KVac O/P-FG: 0.5KVac	
	Isolation resistance	I/P-O/P:100MΩ / 500VDC / 25℃ / 70% RH	
	Surge Immunity Test	AC Power Line:Differential Mode 2KV,Common Mode 4KV	
	EMC Immunity	FCC/ICES do not request this test.	
	EMC Emission	FCC Part 15 Subpart B; ANSI C63.4a-2017; ICES-005 Issue 5	
Others	Net Weight	430g	
	Dimension	62*43*32.5mm(L*W*H)	
	Packing	50pcs/CTN	

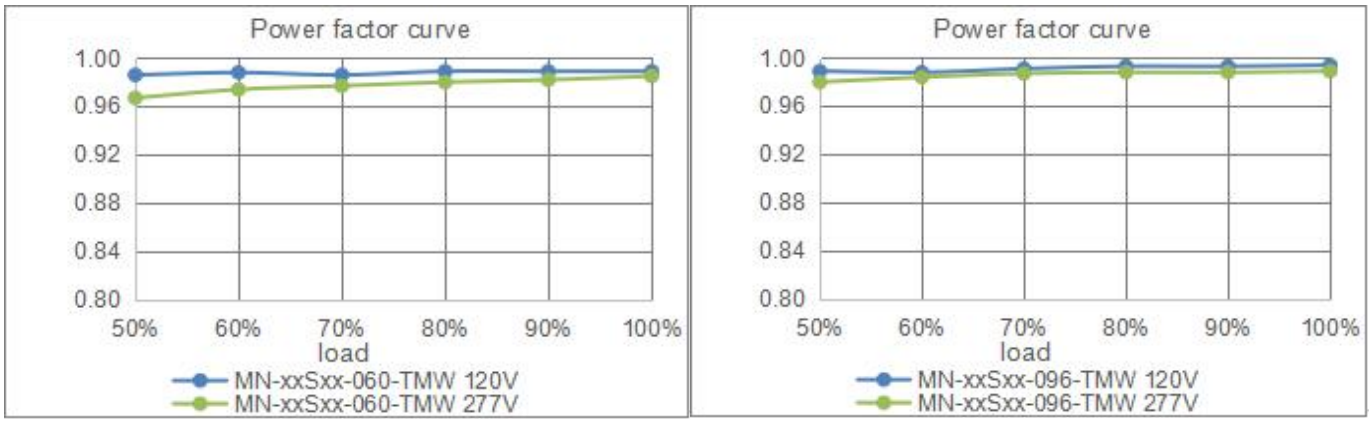
Tech support : Arik Nirenberg | Phone : 818-904-3309 | Fax : 818 904 3327 | info@emcod.com | techsupport@emcod.com

Notes	1. All parameters NOT specially mentioned are measured at 120VAC input, rated load and 25℃of ambient temperature. 2. Tolerance: includes set up tolerance and load regulation .

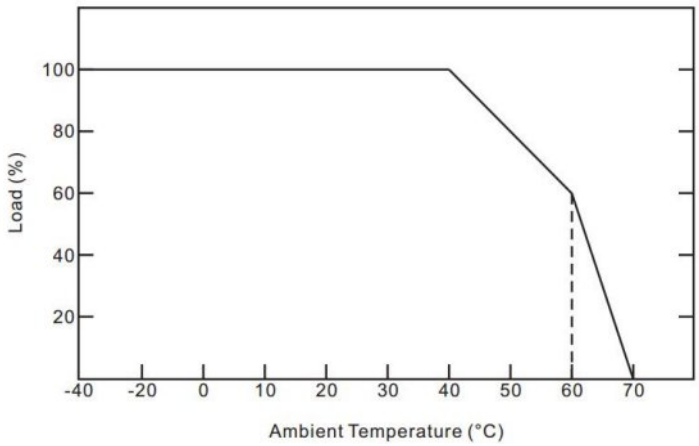
Efficiency Curve (efficiency vs output load)



Power Factor Curve (power factor vs output load)



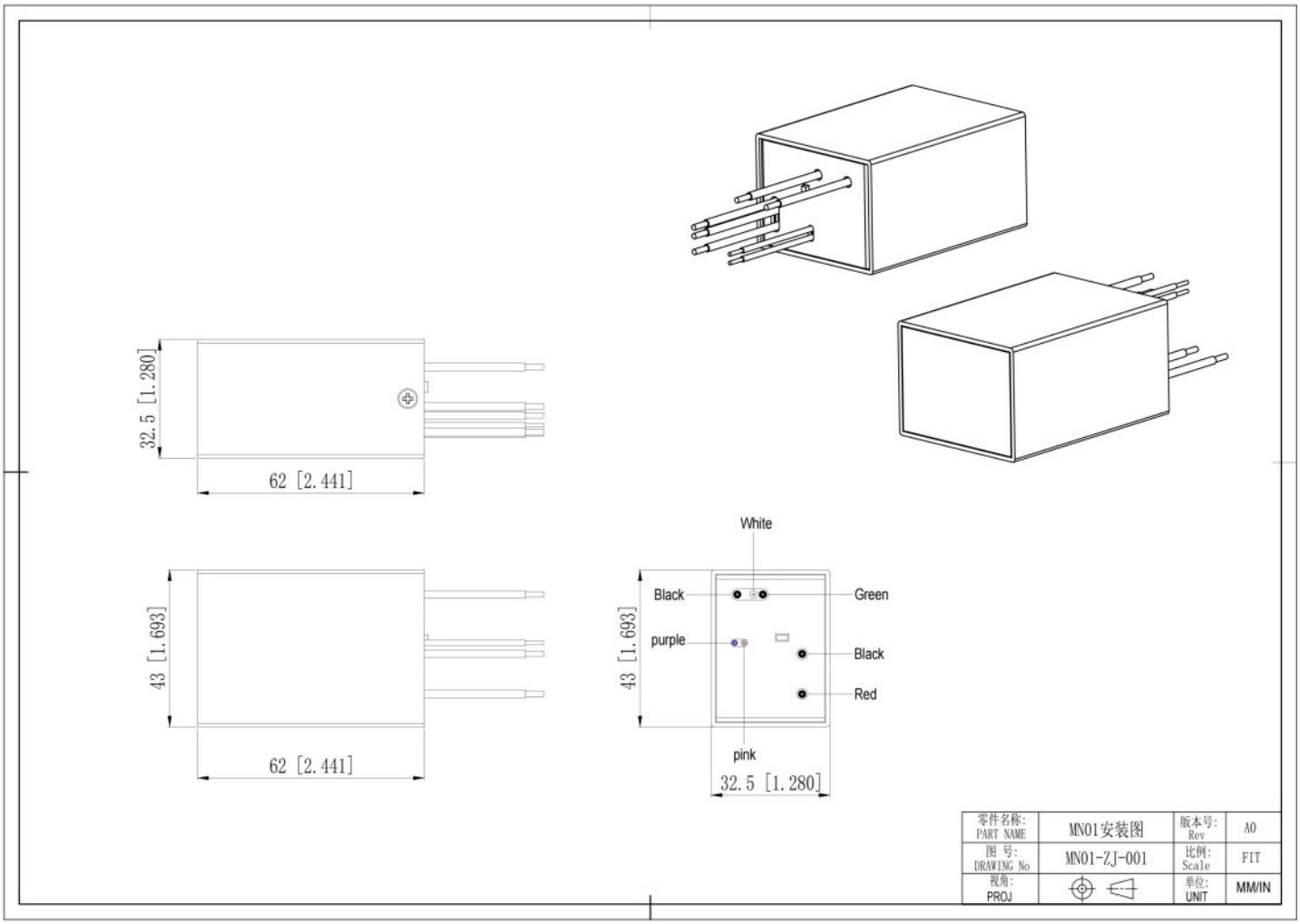
Derating Curve (Output power VS Ambient TEMP)



1. To extend their life, please refer to the Derating Curve and derate according to the temperature.
2. The output current of the LED driver should be selected according to the rated current of the lamp and the ambient temperature. Normally, we recommend the power supply to reserve a certain amount of load to extend LED driver's life .

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Mechanical Specification



American wire gauge	
MN01	
Input wire	Black(L) White(N) Green(G) (18AWG)
Output wire	Red(V+) Black(V-) (18AWG)
Dimming wire	Purple(DIM+) Pink(DIM-) (22AWG)

Warm tips:

1. Any other requests for, we can customize.
2. Please ensure that the connection is correct.