



IP67



IDU250AA-350

Output Type	Constant Current
Description	245W 350V 0.7A
Input Voltage	100-277Vac
Input Frequency	50/60Hz
RoHS	Yes

Electrical Specifications

Model:		IDU250AA-350
Output	Output Power	245W
	Output Voltage	250-350V
	Open load Voltage	370V
	Output Current	0.10-0.7A (0-10V dimmig)
	Output Current Deviation	±5% Max
	Ripple & Noise Pk-Pk	<100mA
	Typical Eff.@(230Vac) & Po_max	93%
Input	AC Current Max	3.3A Max. @100Vac
	Rated Input Voltage Range	100-277Vac
	Input Voltage Range	90-305Vac
	Frequency Range	47-63Hz
	Power Factor(PF)	>0.99@120Vac,>0.95@230Vac
	Inrush Current Max	80A @230Vac Ta=25°C
	Leakage Current	<0.75mA @ 277Vac
Protection	Short Circuit	No damage, some time the driver needs to be turned on again for recovery when the fault condition is removed.
	Surge Protection	Line to Line: 4KV, Line to Earth: 6KV
	Over Temperature	Internal PCB:110°C ±5°C, Auto recovery after fault removed
Environment	Ambient Temperature	Ta :-40~+70°C ; Tc (max):≦ 90°C (refer to power de-rating cuve)
	Operating Humidity	20~90% RH
	Storage Temperature & Humidity	-40~+80°C, 10~95% RH
	Environment Protection Rating	UL Dry, Damp or Wet Location, IP67
	Vibration	10~500Hz 5G 12Min/Cycle, X,Y,Z axis per 72 minute
Safety & EMC	Safety Standards	IEC/EN61347-1(GB19510-1-2009), IEC/EN61347-2-13(GB 19510.14-2009), UL8750, CSA C22.2 NO. 250.13-12
	Withstand Voltage	I/P-O/P:3.75KVac, I/P-FG:1.5KVac,O/P-FG:1.5KVac
	Insulation Resistance	I/P-O/P, >100M Ohms/500VDC/25°C/70%RH
	EMI	EN55015 , FCC PART15-CLASSB
	Harmonic Current	EN61000-3-2 Class C(≥50% Max load)
	EMS	EN61000-4-2,3,4,5,6,8,11;ENV50204,EN61547,EN55024 Industry standard
Others	Dimensions	245*90*45mm (L*W*H), 9.65*3.54*1.77in (L*W*H)
	Weight	910g

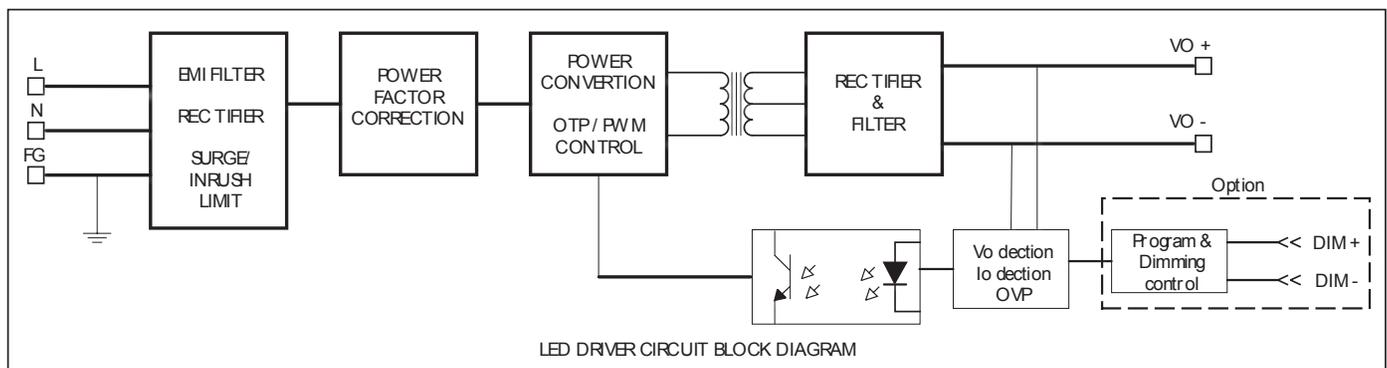
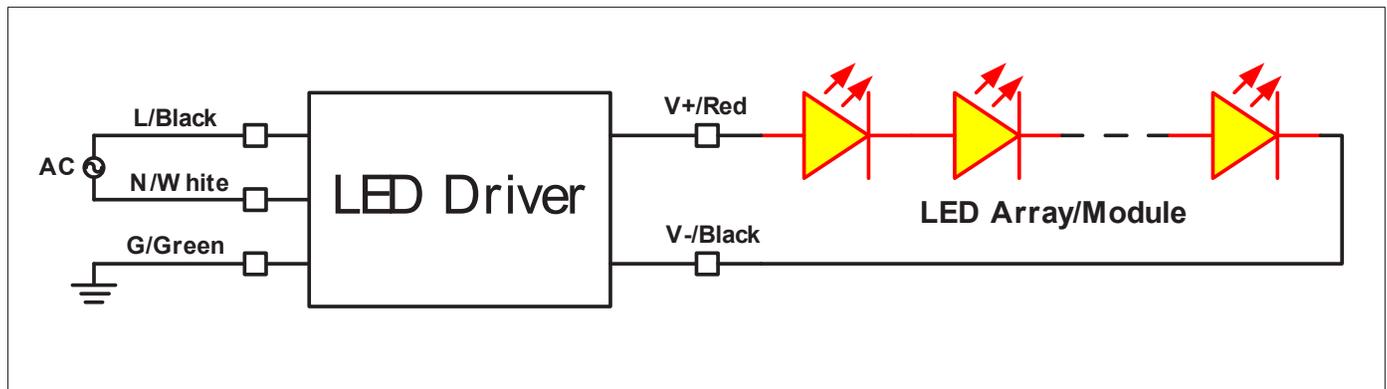


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Wiring Diagram





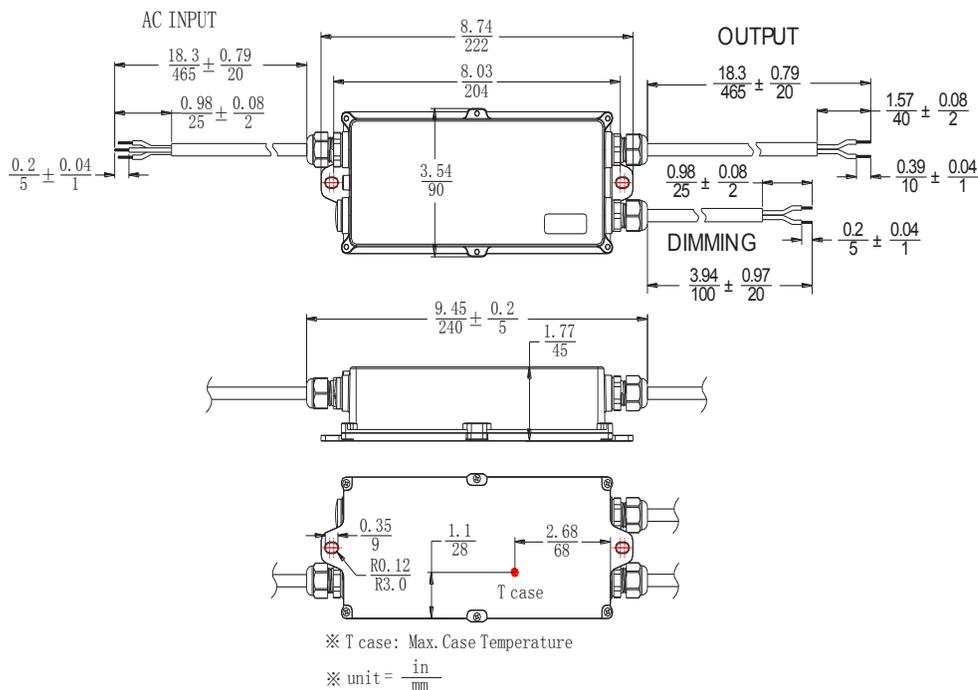
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Enclosure



Installation & Application Notes

Section I – Physical Characteristics

- 1.1 LED Driver shall be installed inside an electrical enclosure.
- 1.2 Wiring inside electrical enclosure shall comply with 600V/105°C rating or higher.
- 1.3 Input ,output and dimming use lead-wires. Lead-wires are UL SJTW Cable 18AWG 105C/600V solid copper.

Section II – Performance

- 2.1 LED Driver has a minimum operating ambient temperature of -40°C.
- 2.2 LED Driver has a life expectancy of 50,000 hours at Tcase of $\leq 75^\circ\text{C}$.
- 2.3 LED Driver has a life expectancy of 100,000 hours at Tcase of $\leq 65^\circ\text{C}$.
- 2.4 LED Driver is certified by UL for use in a dry, damp or wet location.
- 2.5 LED Driver tolerates sustained open circuit and short circuit output conditions without damage.
- 2.6 LED Driver maximum allowable case temperature is 90°C .
- 2.7 LED Driver reduces output power to LEDs if maximum allowable case temperature is exceeded.



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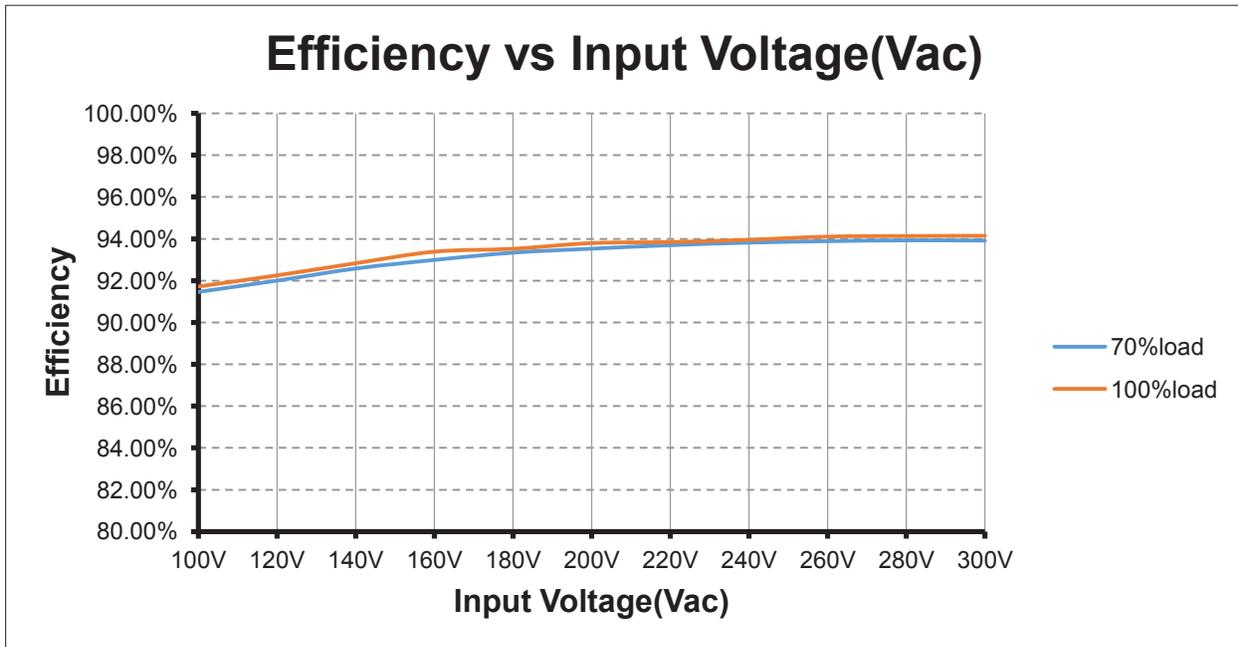
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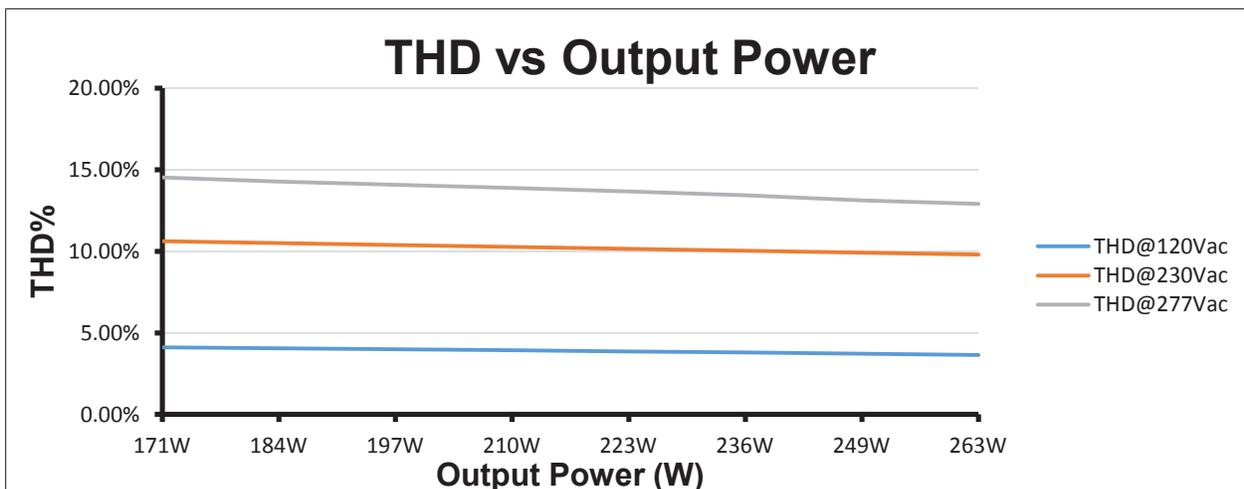
Section III –Cautions

- 3.1 LED Driver should be kept away from heat source and flammable and explosive substances.
- 3.2 LED Driver Should be installed in a ventilated and good heat dissipation space.
- 3.2 High Voltage! Do not open the case without experience.
- 3.3 Make sure I/P, O/P wire joints completely watertight, to prevent electric shock & leakage of electricity.

Efficiency



THD



Bringing life to lighting

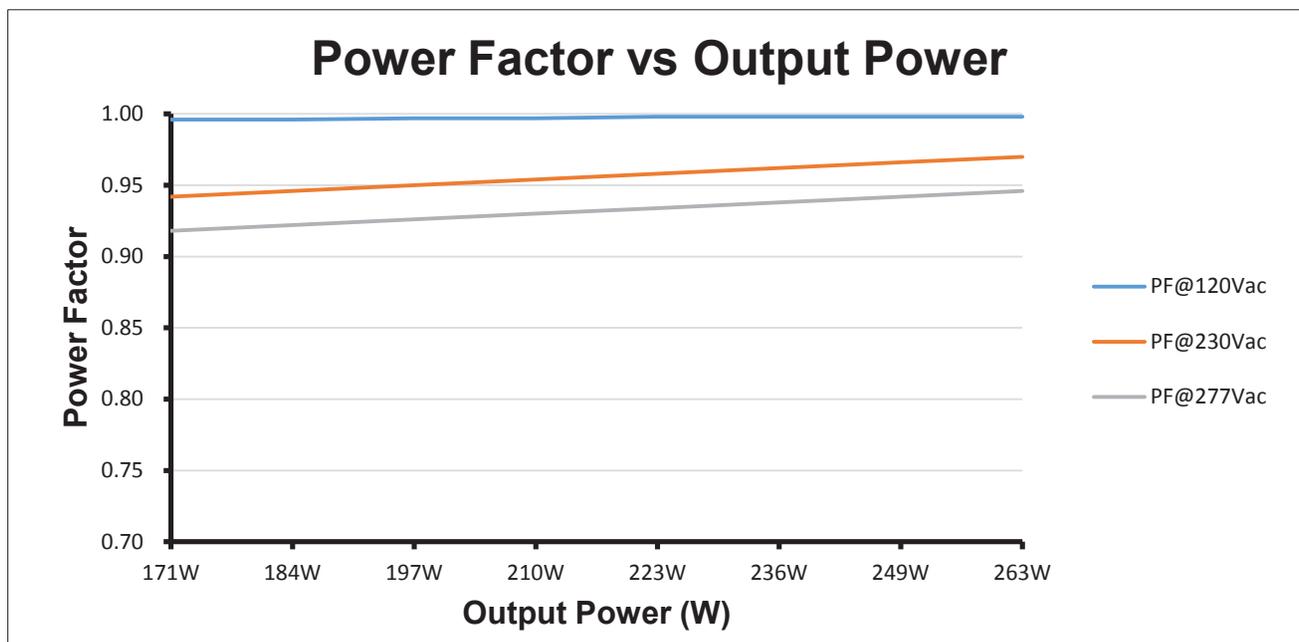


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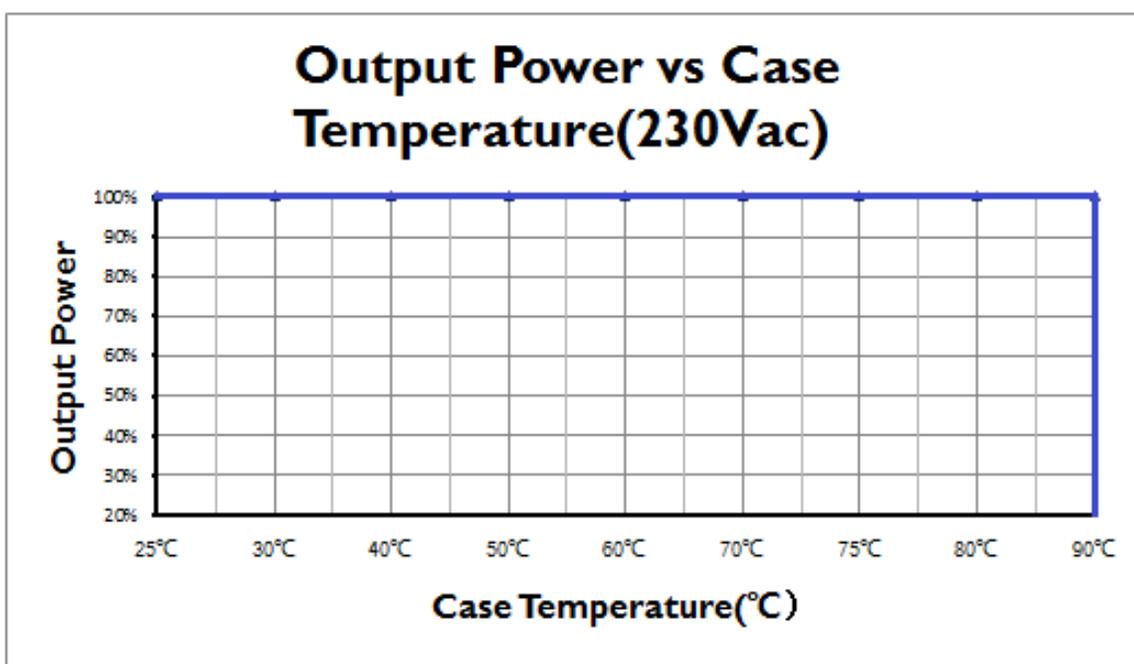
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Power Factor



Power De-rating Curve



Bringing life to lighting



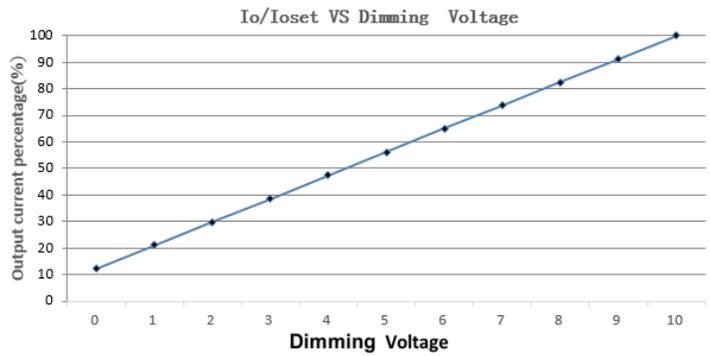
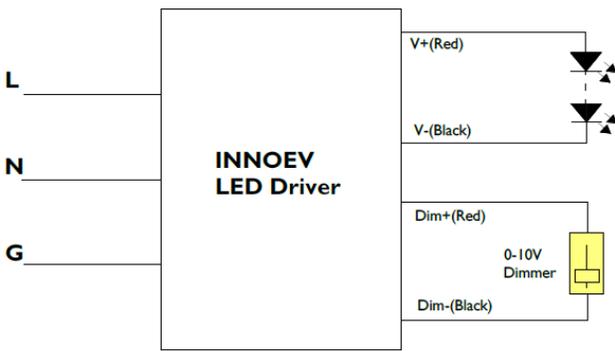
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0-10V Dimming Application (Optional Function)

0-10V Dimming



Notes:

1. If the output current is less than 0.1A, the 0.1A is the starting point
2. Do not connect Dim- to the output V- or V+, otherwise the driver will not work properly.
3. If 0-10V dimming is not used, Dim+ should be open.

Part Number

IDU250AA-350-XXXXX

Description of the XXXXX as below:

X **X** **X** **X** **X**

Certification Type	
C	CCC
U	UL+CUL+FCC
T	TUV+CE
P	PSE
0	No Certification
...	...

Special Code	
000	INNOEV Standard Model
...	...

Surge Protection	
Y	With External Protector
N	Without External Protector

