



VDU100AN-024	
Output Type	Constant Voltage
Description	100W 24V 4.1A
Input Voltage	100-277Vac
Input Frequency	50/60Hz
RoHS	Yes

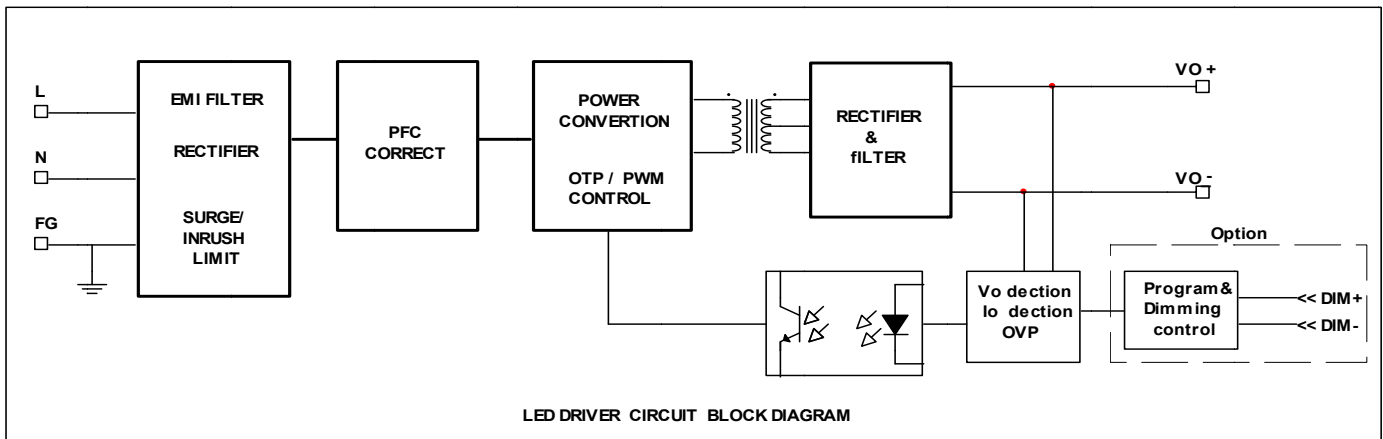
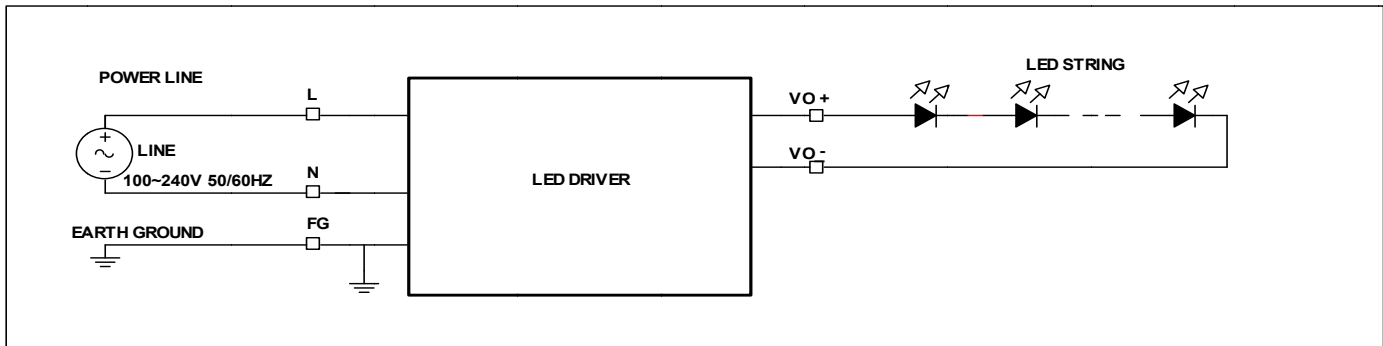
Electrical Specifications

Model:		VDU100AN-024
Output	Output Power	100W
	Output Voltage	24V
	Output Current	4.15A Max.
	Ripple & Noise Pk-Pk	200mV
	Eff.@(230Vac) & Po_max	>92%
Input	AC Current Max	1.3A Max. @100Vac
	Rated Input Voltage Range	100-240V/277Vac (277Vac for North America)
	Limited Input Voltage	90-305Vac
	Frequency Range	50/60Hz
	Power Factor(PF)	PF>0.94 (Vin 230Vac)
	Inrush Current Max	60A @230Vac Ta=25°C
	Leakage Current	<0.75mA @ 277Vac
Protection	Short Circuit	No damage, some time the driver need to be turned on again for recovery when the fault condition is removed.
	Surge Protection (KV)	4.0
	Over Temperature	Internal PCB:105°C±5°C,Auto recovery after fault removed
Environment	Ambient Temperature	Ta :-40~+60°C (Full load); Tc (max):≦ 90°C
	Operating Humidity	20~90% RH
	Storage Temperature & Humidity	-40~+80°C, 10~95% RH
	Environment Protection Rating	UL Dry, Damp or Wet Location
	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:0.5KVac
	Insulation Resistance	I/P-O/P, >100M Ohms/500VDC/25°C/70%RH
	EMI	EN55015,EN55022(CISPR22) Class B, 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 (Surge LN—GND> 6KV/12Ω, L-N>3KV/2Ω)
Others	Dimensions	245*75*38mm (L*W*H)
	Weight	715g

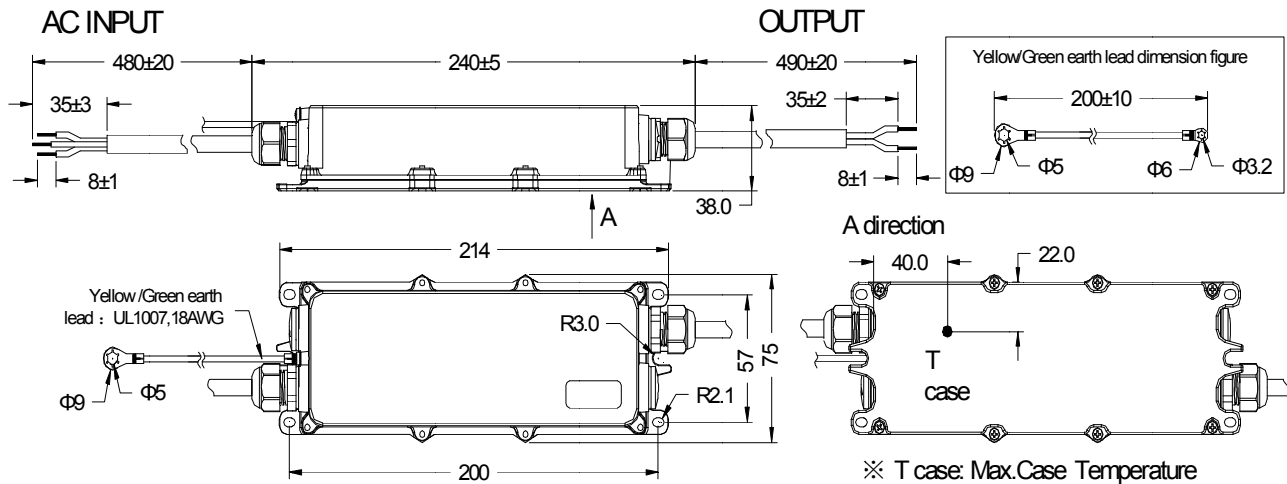


VDU100AN-024	
Output Type	Constant Voltage
Description	100W 24V 4.1A
Input Voltage	100-277Vac
Input Frequency	50/60Hz
RoHS	Yes

Wiring Diagram



Enclosure





VDU100AN-024	
Output Type	Constant Voltage
Description	100W 24V 4.1A
Input Voltage	100-277Vac
Input Frequency	50/60Hz
RoHS	Yes

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 and output use lead-wires. Lead-wires are UL SJTW Cable 18AWG 105C/600V solid copper.

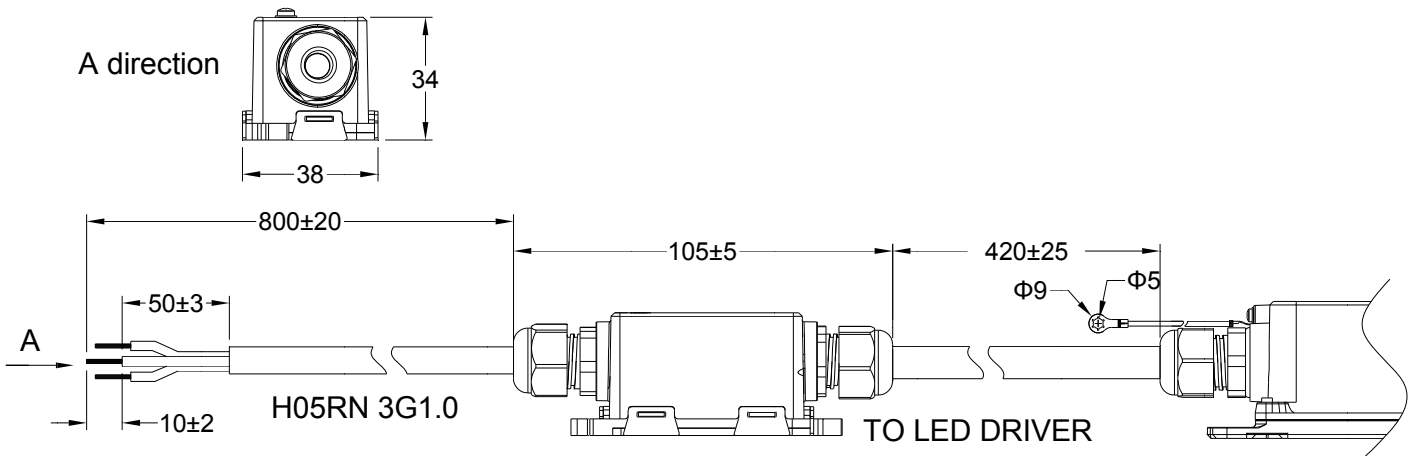
Section II – Performance

- 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 ≤ 80°C.
- 2.3 LED Driver has a life expectancy of 100,000 hours at Tcase of ≤ 70°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.

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.

Optional Accessories (External Surge Protector)



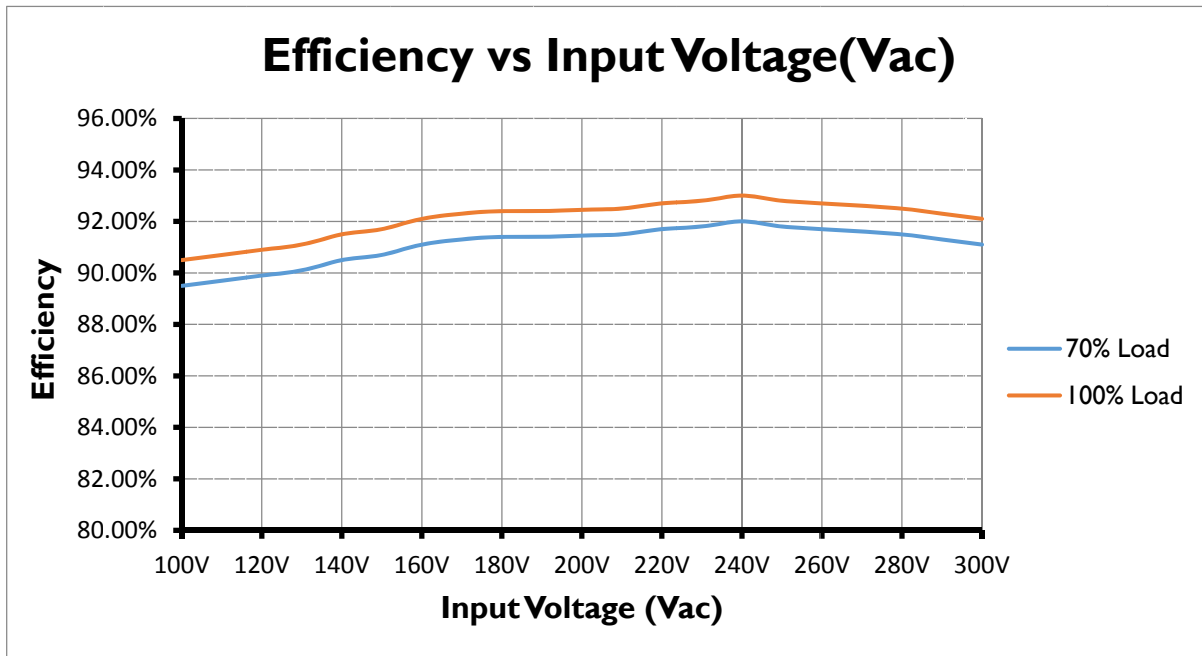
Notes:

- 1. Part Number:SPDS04-240PC; 2. Suitable for INNOEV's LED Driver only; 3. 277Vac Max, Surge protection rating : Line to line 10KV, line to Earth 10KV;
- 4. Limited to strengthen LED Driver Surge protection 5. Waterproof design, Suitable for outdoor and wet location.

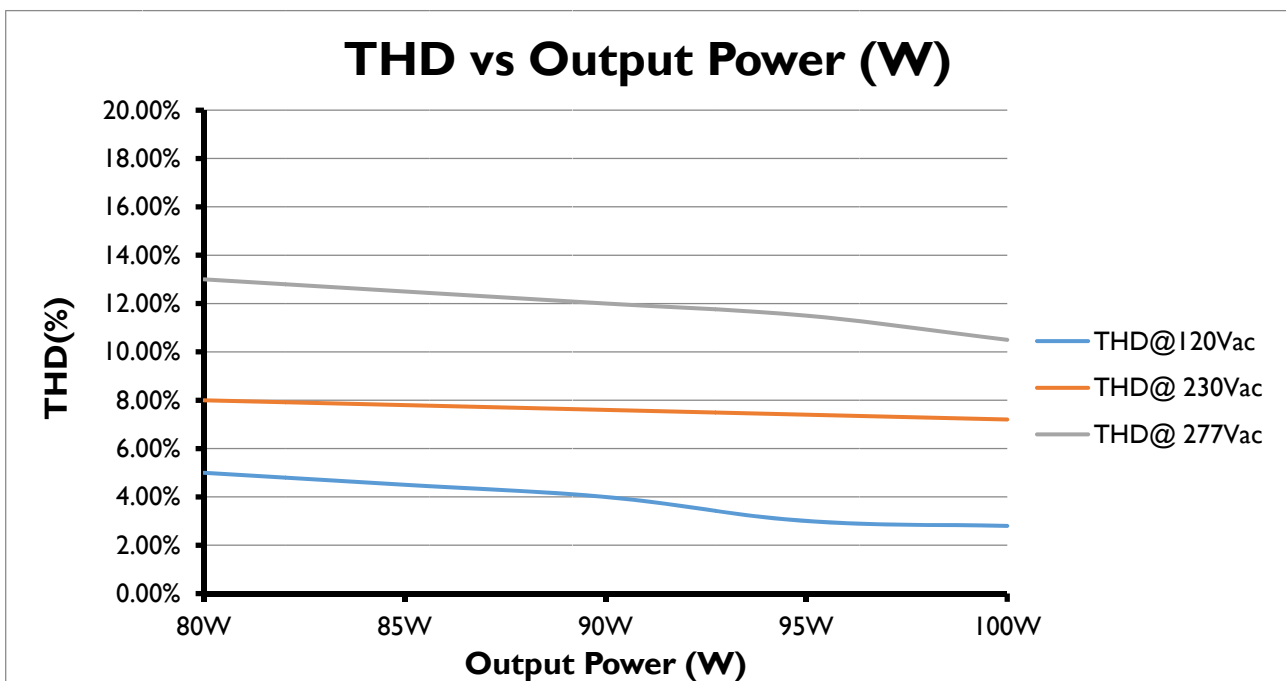


VDU100AN-024	
Output Type	Constant Voltage
Description	100W 24V 4.1A
Input Voltage	100-277Vac
Input Frequency	50/60Hz
RoHS	Yes

Efficiency



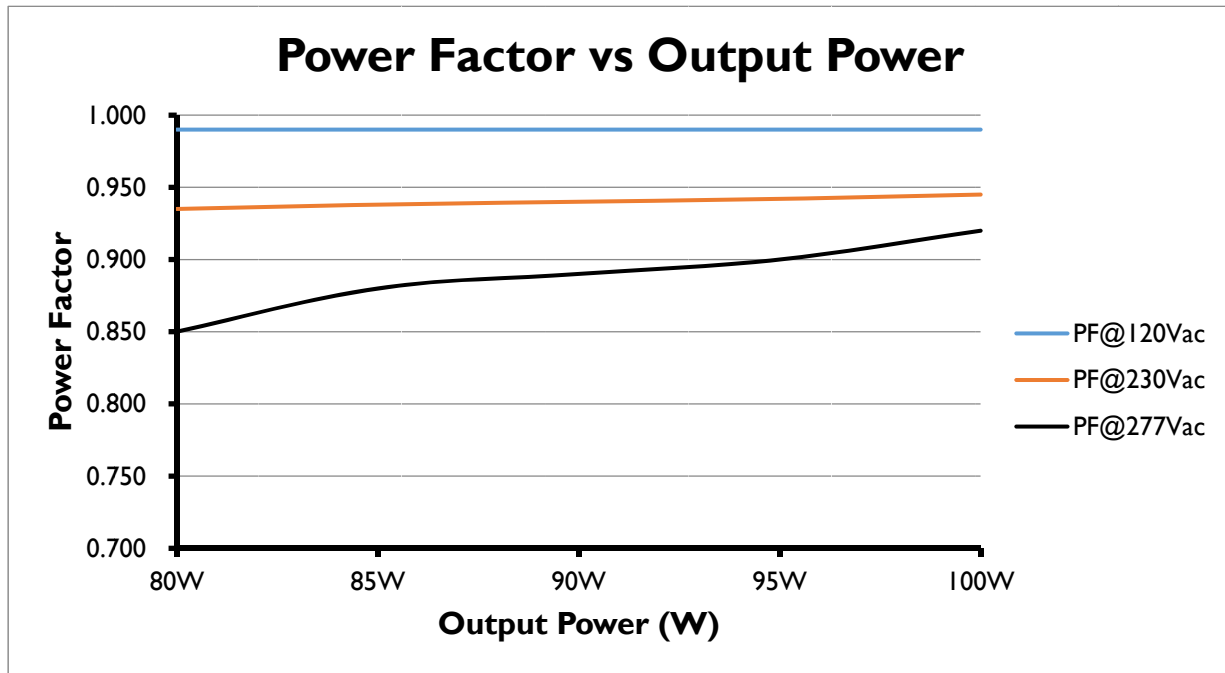
THD





VDU100AN-024	
Output Type	Constant Voltage
Description	100W 24V 4.1A
Input Voltage	100-277Vac
Input Frequency	50/60Hz
RoHS	Yes

Power Factor



Revision History

DATE	REV	Modification	Reasons for change	Notes	
2014/10/16	1.0	Release			
Prepared By	Jinling Yu	Checked By	Tao Ji	Approved By	File Number
Date	2014/10/13	Date	2014/10/16	Date	

Application and operation performance specification information subject to change without notification.