

## LED Ultra-Thin Power Supply (C&V)

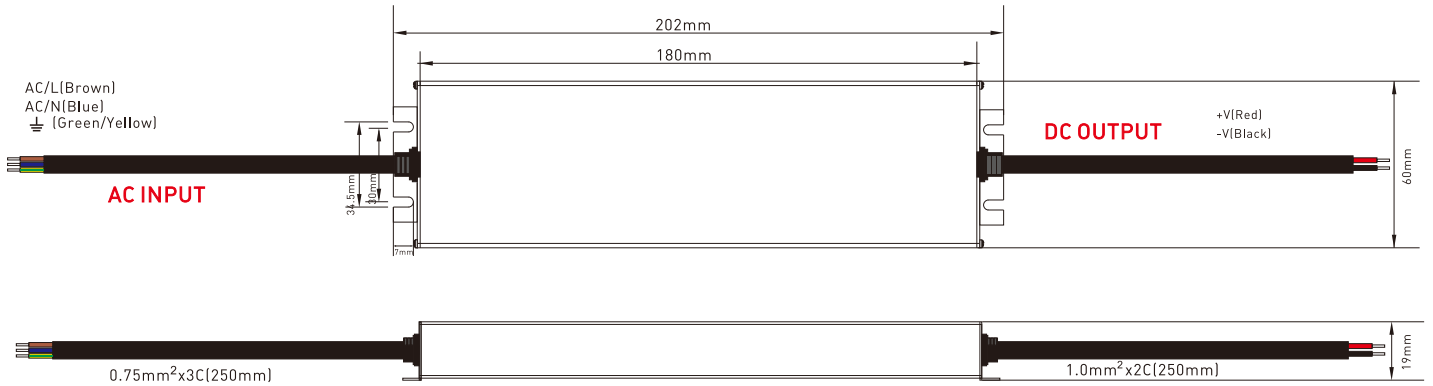
- Universal AC input (175-240VAC)
- Built in active PFC function
- Efficiency up to 93%, super thin and small size.
- Protections: short circuit/over load/over voltage/over temperature
- IP67 design for indoor or outdoor installation
- It can be used in dry, wet and rainy environment
- Cooling by free air, high reliability
- Up to 50000-hour life time
- Suitable for internal lights application for I / II / III.
- Widely used in LED lighting and IT equipment
- Compliance to worldwide safety regulation for led lightings.



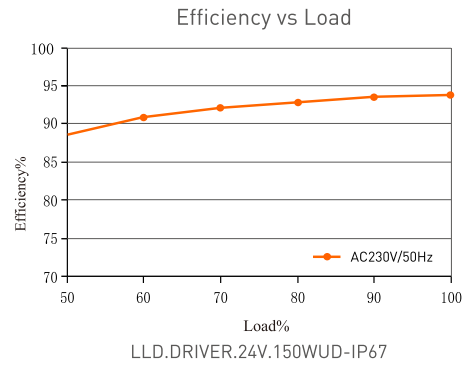
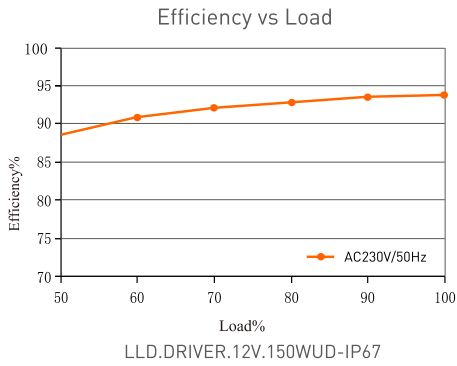
### Specification

Model		LLD.DRIVER.12V.150WUD-IP67	LLD.DRIVER.24V.150WUD-IP67
OUTPUT	Output voltage	12VDC	24VDC
	Output voltage range	12VDC±0.3VDC	24VDC±0.6VDC
	Output current	Max 12.5A	Max 6.25A
	Output power	Max 150W	
	Output power range	0~150W	
	Ripple & Noise	≤170mV	≤250mV
	Linear Regulation	±1%	
	Load Regulation	±1%	
	Start-up Time (Typ)	320ms/230VAC 400ms/115VAC	
	Rise Time(Typ)	11ms/230VAC 11ms/115VAC	
Hold Up Time(Typ)	19ms/230VAC 19ms/115VAC		
INPUT	Input voltage	175-240Vac	
	Frequency	50/60Hz	
	Input current	0.97~0.65A	
	Powerfactor	PF>0.96/230Vac, at full load;	
	No-load power consumption	< 0.5W	
	THD	≤8% at 230Vac,at full load;	
	Efficiency (typ.)	93%	
	Inrushcurrent(typ.)	50A/230VAC	
	Control surge capability	L,N:2KVL,N-PE:4KV	
Leakage current	Max. 0.5mA		
ENVIRONMENT	Working temperature	ta: -30 °C~ 50°C tc: 80 °C	
	Working humidity	20 ~ 99%RH, condensing(Waterproof)	
	Storage temp., humidity	-40°C ~ 80°C, 10~95%RH	
	Vibration	10~500Hz, 2G 12min./1cycle, period for 72min. each along X, Y, Z axes.	
PROTECTION	Overtemperature	Protection type: Turn off the output voltage, after the temperature drops, re-energize to restore.	
	Over voltage protection	Output voltage ≥14-18V, turn off the output, after the abnormality is eliminated, re-energize to recover.	Output voltage ≥29-35V, turn off the output, after the abnormality is eliminated, re-energize to recover
	Over load protection	Shut down the output when current load ≥110%~150%, auto recovers.	
	Short circuit protection	Protection type: It can be automatically restored after the fault is eliminated.	
SAFETY & EMC	Withstand voltage	I/P-O/P: 3750Vac	
	Isolation resistance	I/P-O/P: 100MΩ/500VDC/25°C/70%RH	
	Safety standards	IEC/EN61347I; EC/EN60950IP67;	
	EMC emission	EN55015:2013; FCC Part 15B; EN61547:2009; EN61000-3-2:2014; EN6100-3-3:2013	
	EMC immunity	EN61000-4-2,3,4,5,6,8,11 EN61547	
Reliability and Quality Control	Impact aging	100% of the product is fully loaded and impacted for 4 hours under an environment of at least 40°C±5°C	
	Component derating	Under the steady-state conditions of rated input and output, the stress of components will not exceed its maximum nominal value	
NOTE	<ol style="list-style-type: none"> <li>1. All parameters not specifically mentioned are measured at 230VAC input, rated load and 25°C ambient temperature.</li> <li>2. Ripple and noise test method: connect 0.1uF and 47uF capacitors in parallel at the terminal, and measure under 20MHZ bandwidth.</li> <li>3. Ensure that the power supply is used under the rated parameters and environment.</li> </ol>		

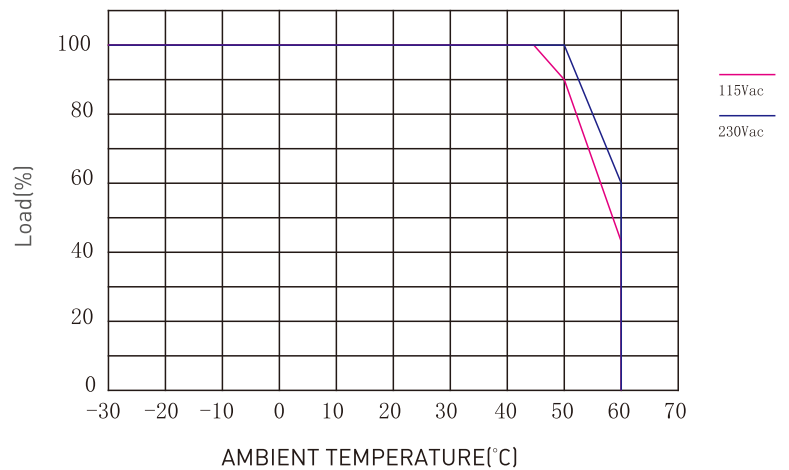
**Dimensions**  
Unit:mm



**Relationship diagrams**



**Temperature load curve**



**Packaging Information**

DIMENSION	202x60x19 mm(LxWxH)
PACKING	230x70x24mm(LxWxH)
CARTON QUANTITY	12PCS
CARTON SIZE	403*270*158mm(LxWxH)
WEIGHT	780g±10g/PCS

\* No further notice if any changes in the manual. Product function depends on the goods. Please feel free to contact your supplier if any question.