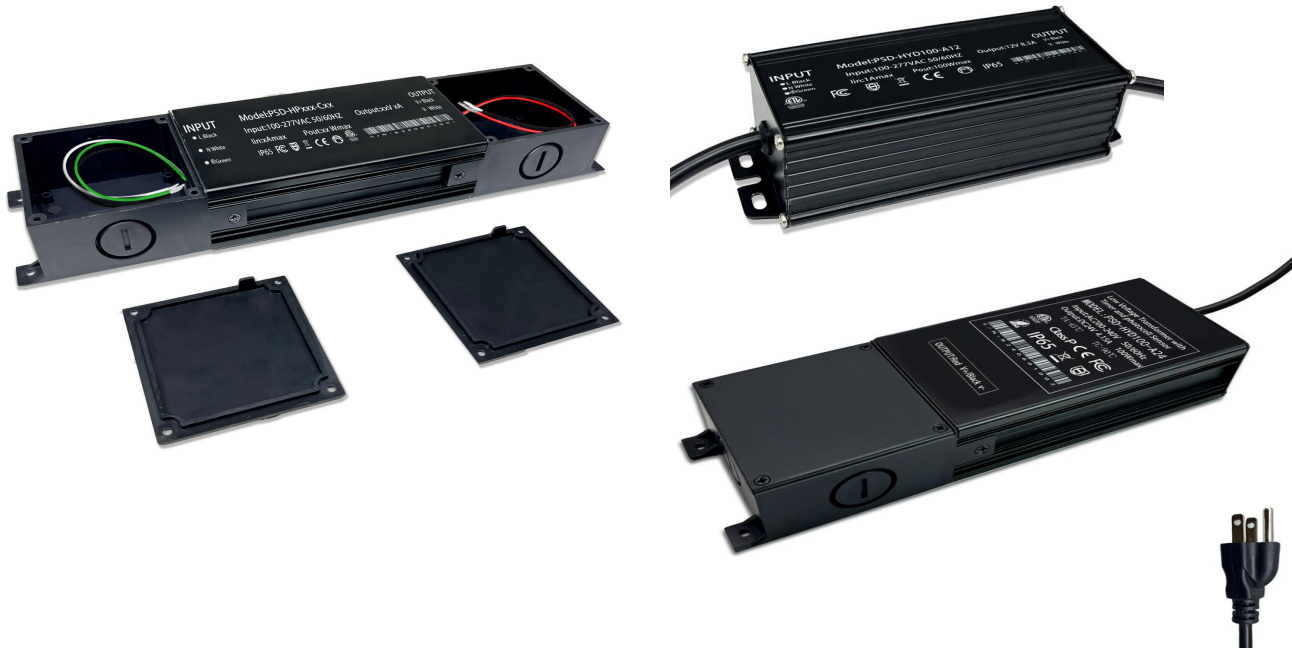




LED Ultra-Thin Power Supply(C&V)

100-277VAC

1. Picture of real products



2. Features

- Universal AC input/full range(100-277V)
- Efficiency up to 90%, super thin and small size
- Protections:short circuit/over load/over voltage/over temperature
- IP65 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-hours 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.

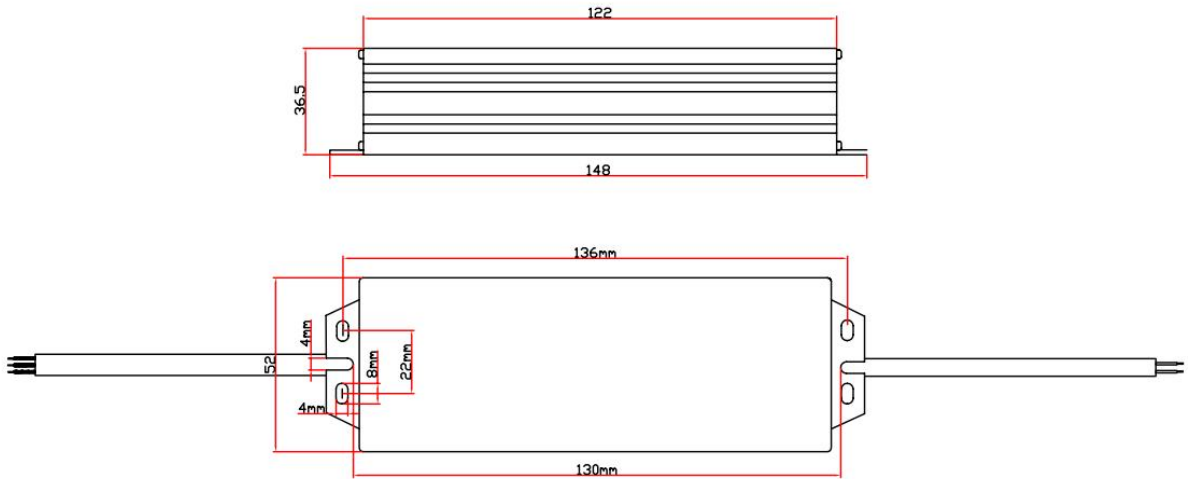


3. Technical Request

Model		PSD-HP060W-A12	PSD-HP060W-A24	PSD-HP060W-A36	PSD-HP060W-A48
OUTPUT	Output voltage	12VDC	24VDC	36VDC	48VDC
	Output voltage range	12VDC±0.3VDC	24VDC±0.6VDC	36VDC±0.9VDC	48VDC±1.2VDC
	Output current	Max 5A	Max 2.5A	Max 1.67A	Max 1.25A
	Output power	Max60W			
	Output power range	0~60W			
	Ripple & Noise	≤250mV	≤250mV	≤250mV	≤250mV
	Linear Regulation	±1%			
	Load Regulation	±1%			
	Start-up Time (Typ)	600ms/230VAC 700ms/175VAC			
	Rise Time(Typ)	50ms/230VAC 50ms/175VAC			
	Hold Up Time(Typ)	14ms/230VAC 13ms/175VAC			
INPUT	Input voltage	100 - 277Vac			
	Frequency	50Hz/60Hz			
	Input current	0.6A			
	Power factor	PF>0.96/230Vac, at full load; PF>0.98/175Vac, at full load;			
	No-load power consumption	<0.5W			
	THD	≤12% at 230Vac,at full load; ≤10% at 175Vac,at full load			
	Efficiency (typ.)	87%	88%	88%	89%
	In rush current(typ.)	65A/ 230VAC			
	Control surge capability	L, N:2KV L, N-PE:4KV			
Leakage current	Max. 0.5mA				
Working temperature	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: Turnoff 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, turnoff the output, after the abnormality is eliminated, re-energize to recover	
	Over load protection	Shutdown 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/EN61347;IEC/EN60950;IP67			
	EMC emission				
	EMC immunity				
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 de rating	Under the steady-state conditions of rated input and output, the stress of components will not exceed its maximum nominal value			
NOTE	<p>1. All parameters not specifically mentioned are measured at 230VAC input, rated load and 25°C ambient temperature.</p> <p>2. Ripple and noise test method: connect 0.1uF and 47uF capacitors in parallel at the terminal, and measure under 20MHZ bandwidth. 3. Ensure that the power supply is used under the rated parameters and environment</p>				

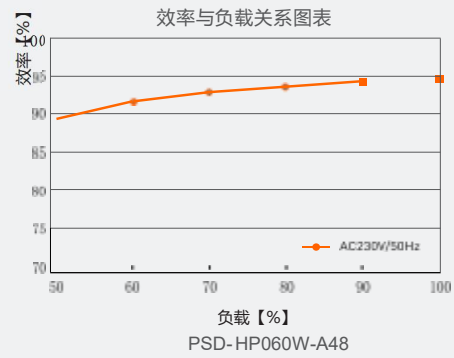
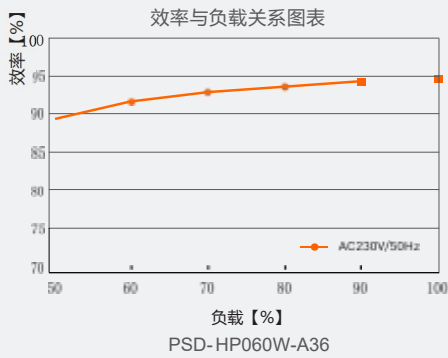
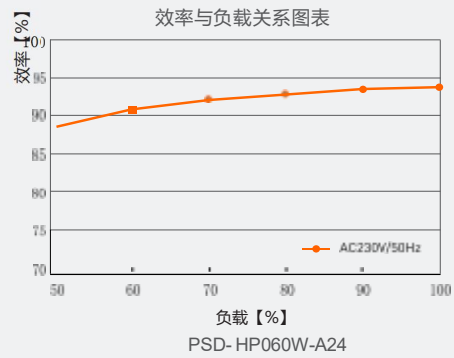
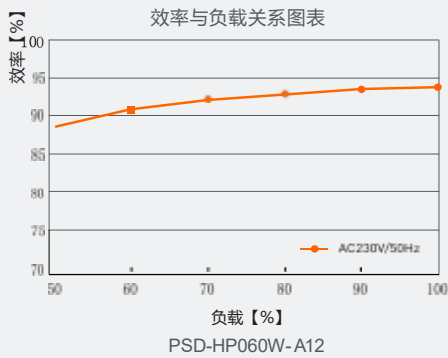


4. Dimensions



单位: (mm)

5. Efficiency vs load



6. Packing

Meas	L*W*H (mm)	
	QTY (PCS)	
	P.W. (g)	
	N.W. (KG)	
	G.W. (KG)	

