

LINEAGE™ 60W SERIES

Subcompact | Constant Voltage | Non-Dimmable



Yingjiao's Lineage family of Subcompact Constant Voltage LED Drivers were designed for input voltages 220 through 240VAC and maintains a fully isolated output.

Our small form factor allows easily hidden mounting within a wide variety of applications, while adhering with international safety standards.

We've built-in automated; short circuit, over voltage, over current and over temperature protections.

Each driver undergoes rigorous testing, and a full load burn in.

Features



Subcompact Size



Class II Power Supply



IP44 Rated Case With
Silicone-Based Potting



5 Year Warranty



90°C Maximum
Case Temperature



EU Safety Approvals

Model Information

Yingjiao Part number	Input Voltage (Vac)	Output Power Max (w)	Nominal Voltage Output (Vdc)	Iout Max (A)	Safety,EMC Compliance
SLCV-60-12E	220-240	60	12	5	CE
SLCV-60-24E	220-240	60	24	2.5	CE
SLCV-60-36E	220-240	60	36	1.67	CE
SLCV-60-48E	220-240	60	48	1.25	CE

Input

Input Voltage :	220-240V		
Range of Input Voltage :	198-264V		
Frequency Range:	47/63HZ		
Input Current:	0.5 A @ 230 Vac		
Power Factor (PF):	>0.9@Full Load 220-240V		
Inrush Current:	<60A@230VAC		
Leakage Current:	690 uA @ 230 Vac		
Efficiency:	89%@Full Load 12V	89.5%@Full Load 24V	
	89.5%@Full Load 36V	90%@Full Load 48V	
THD:	<20%		
No Load Power Consumption:	<0.5W		

Output

Output Voltage:	12V	24V	36V	48V
Output Current:	5A	2.5A	1.67A	1.25A
Voltage Tolerance:	$\pm 5\%$			
Ripple Range:	$\leq 3\%$			
Start-up Time:	<0.5s			
SVM :	≤ 0.4			
Pst :	≤ 1			
Line Regulation:	$\pm 3\%$			
Load Regulation:	$\pm 5\%$			

Protection

Over Load Protection:	105 -150%
	Protection type: Auto Restore
Over Voltage Protection:	105 -130%
	Protection type: Auto Restore
Short Circuit Protection:	Protection type: Auto Restore
Warranty:	5 Years
Surge Capacity:	L-N : 1000V

Environment

Working Temperature	-20°C - +40°C
Relative Humidity	Operating 10 to 90% RH (Non-Condensing) Storage 5 to 95% RH (Non-Condensing)
Environmental Locations	Dry & Damp
Storage Temperature	-40°C - +85°C
HSF requirement	Reach, RoHS
Lifetime	$\geq 30000\text{h}$ @ $T_c=85^\circ\text{C}$, full load

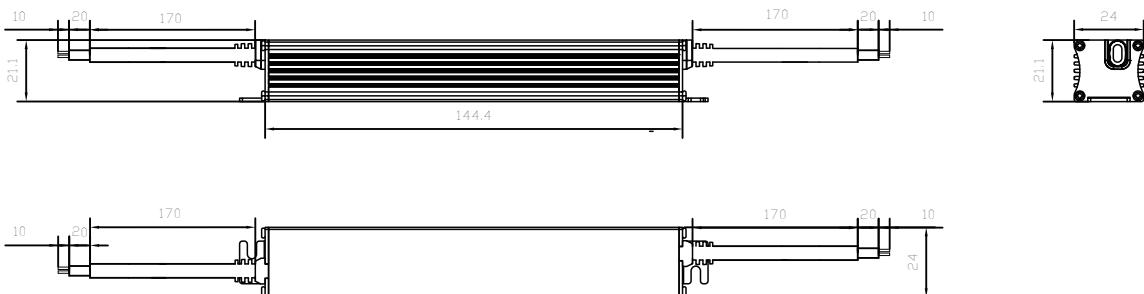
Safety and Electromagnetic Compatibility

Certifications:	CE
Safety Standards:	Equipment for Lighting Applications; EN61347-2-13 Lectornic Control Gear for LED Modules
Withstand Voltage:	I/P-O/P: 3750VAC
EMI:	Compliant with EN55015 (EMC compliance) at 230 Vac
EMS:	EN 61000-4-2; Performance Criteria B EN 61000-4-5; Performance Criteria C

Dimensions & Weight

Length:	144.4mm / 5.69 in
Width:	24mm / 0.94 in
Height:	21.1mm / 0.83 in
Weight:	92g

Spec Drawing



H05V-F 2X0.75mm² 200mm

N:Blue

L:Brown

H05V-F 2X0.75mm² 200mm

LED+: Red

LED-:Black

Label

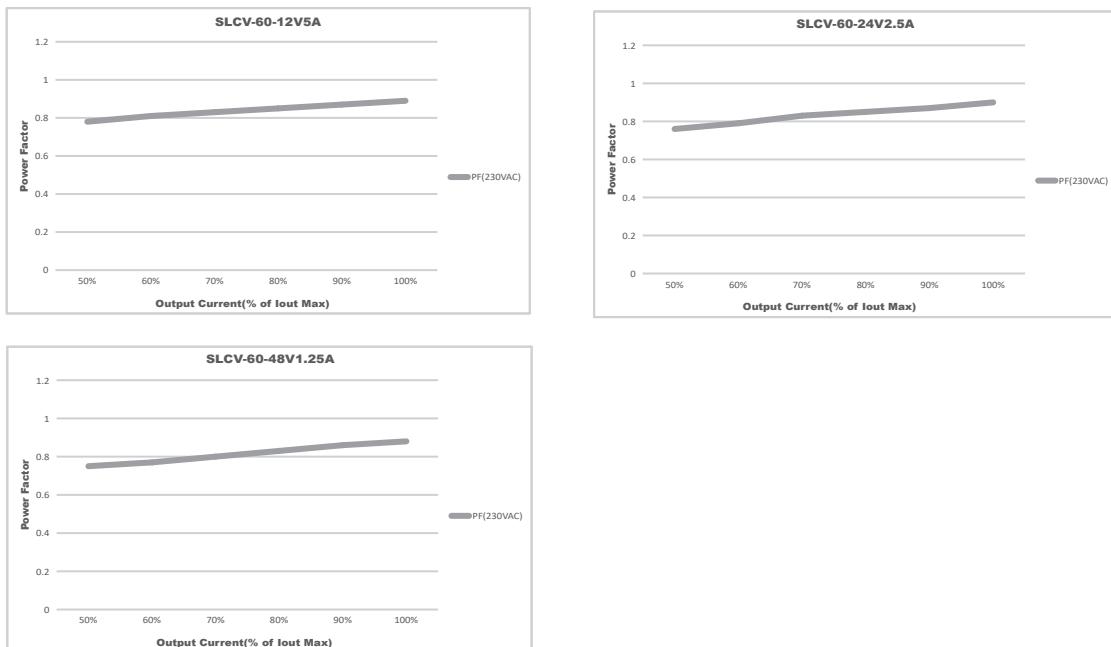


Packing

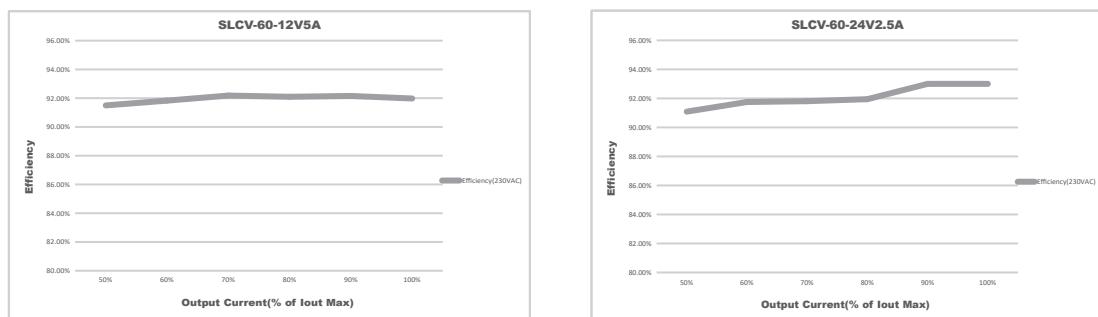
Length x Width x Height:	144.4x 24 x 21.1 mm 5.69 x 0.94 x 0.83 in
Carton Size:	43 x 27.5 x 33 cm 16.93 x 10.83 x 12.99 in
Master Carton Quantities:	100pcs / Carton

Feature Curves

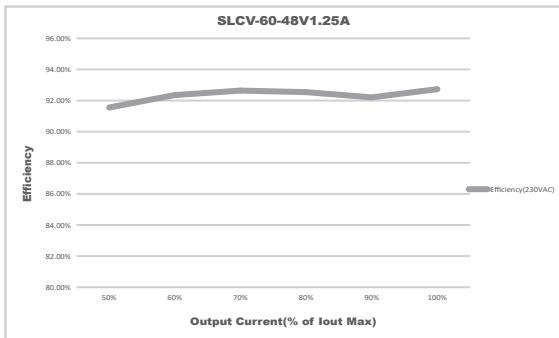
1. PF Curve



2. Efficiency Curve



Feature Curves



3. Driver Lifetime vs. Case Temperature

