

# 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:	± 5%			
Ripple Range:	≤ 3%			
Start-up Time:	< 0.5s			
SVM :	≤ 0.4			
Pst :	≤ 1			
Line Regulation:	± 3%			
Load Regulation:	± 5%			

## Protection

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

## Environment

<b>Working Temperature</b>	-20°C - +40°C
<b>Relative Humidity</b>	Operating 10 to 90% RH (Non-Condensing) Storage 5 to 95% RH (Non-Condensing)
<b>Environmental Locations</b>	Dry & Damp
<b>Storage Temperature</b>	-40°C - +85°C
<b>HSF requirement</b>	Reach, RoHS
<b>Lifetime</b>	≥ 30000h@Tc=85°C, full load

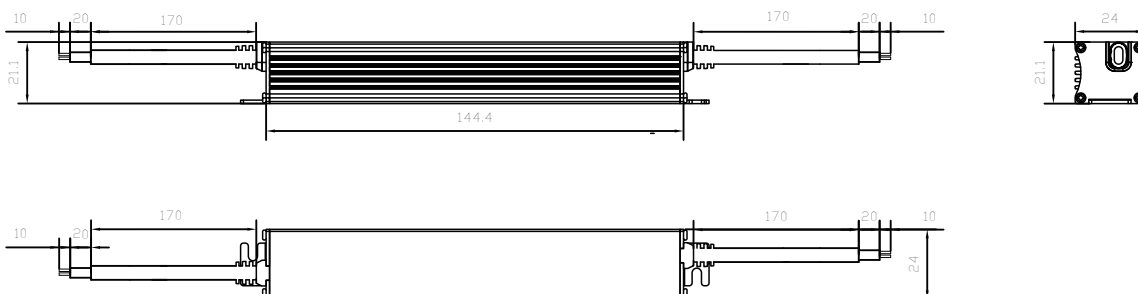
## Safety and Electromagnetic Compatibility

<b>Certifications:</b>	CE
<b>Safety Standards:</b>	Equipment for Lighting Applications; EN61347-2-13 Electronic Control Gear for LED Modules
<b>Withstand Voltage :</b>	I/P-O/P: 3750VAC
<b>EMI:</b>	Compliant with EN55015 (EMC compliance) at 230 Vac
<b>EMS:</b>	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



H05VV-F 2X0.75mm<sup>2</sup> 200mm

N:Blue

L:Brown

H05VV-F 2X0.75mm<sup>2</sup> 200mm

LED+: Red

LED-: Black

## Label

<b>YINGJIAO®</b> Constant Voltage LED Driver		<b>Model:SLCV-60-12E</b>	
L: Brown N: Blue	<b>AC INPUT:</b> 220-240V~0.5A 50/60Hz λ±0.9	<b>SELV</b> <b>IP44</b>	<b>DC OUTPUT:</b> Max Current: 5A Maximum Power: 60W Regulated Voltage: 12Vdc to:85°C ta:40°C
Manufacturer:Ninghai Yingjiao Electrical Co.,Ltd.		Address:Cuijia Village,Xidian Town,Ninghai County,Ningbo 315613,P.R.China	

LED+: Red  
LED-: Black

<b>YINGJIAO®</b> Constant Voltage LED Driver		<b>Model:SLCV-60-24E</b>	
L: Brown N: Blue	<b>AC INPUT:</b> 220-240V~0.5A 50/60Hz λ±0.9	<b>SELV</b> <b>IP44</b>	<b>DC OUTPUT:</b> Max Current: 2.5A Maximum Power: 60W Regulated Voltage: 24Vdc to:85°C ta:40°C
Manufacturer:Ninghai Yingjiao Electrical Co.,Ltd.		Address:Cuijia Village,Xidian Town,Ninghai County,Ningbo 315613,P.R.China	

LED+: Red  
LED-: Black

<b>YINGJIAO®</b> Constant Voltage LED Driver		<b>Model:SLCV-60-36E</b>	
L: Brown N: Blue	<b>AC INPUT:</b> 220-240V~0.5A 50/60Hz λ±0.9	<b>SELV</b> <b>IP44</b>	<b>DC OUTPUT:</b> Max Current:1.87A Maximum Power: 60W Regulated Voltage: 36 Vdc to:85°C ta:40°C
Manufacturer:Ninghai Yingjiao Electrical Co.,Ltd.		Address:Cuijia Village,Xidian Town,Ninghai County,Ningbo 315613,P.R.China	

LED+: Red  
LED-: Black

<b>YINGJIAO®</b> Constant Voltage LED Driver		<b>Model:SLCV-60-48E</b>	
L: Brown N: Blue	<b>AC INPUT:</b> 220-240V~0.5A 50/60Hz λ±0.9	<b>SELV</b> <b>IP44</b>	<b>DC OUTPUT:</b> Max Current:1.25 A Maximum Power: 60W Regulated Voltage: 48 Vdc to:85°C ta:40°C
Manufacturer:Ninghai Yingjiao Electrical Co.,Ltd.		Address:Cuijia Village,Xidian Town,Ninghai County,Ningbo 315613,P.R.China	

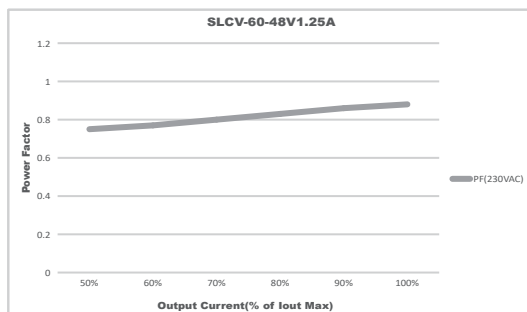
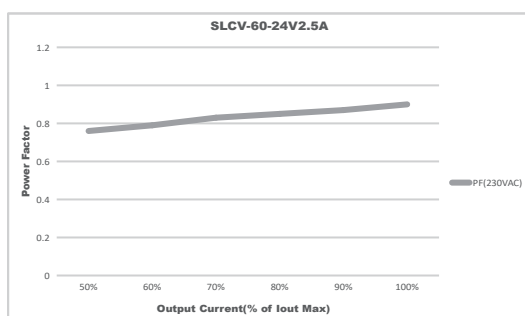
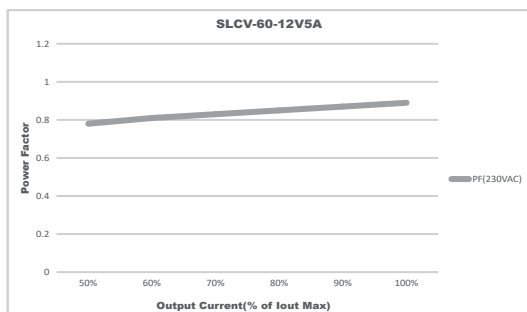
LED+: Red  
LED-: Black

## Packing

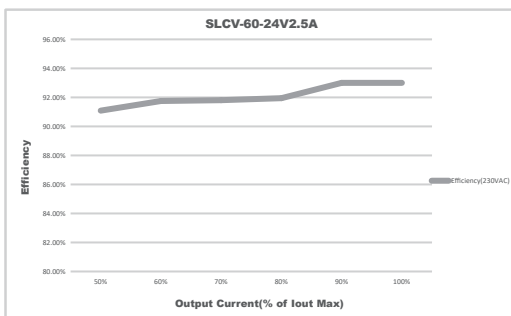
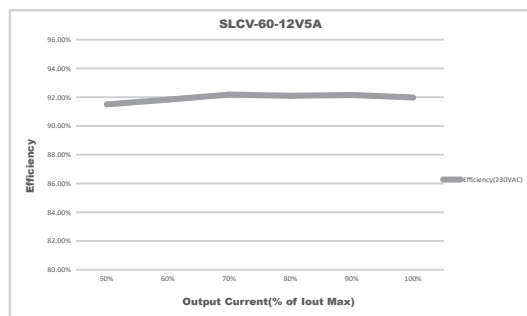
Length x Width x Height:	144.4x 24 x 21.1 mm
	5.69 x 0.94 x 0.83 in
Carton Size:	43 x 27.5 x 33 cm
	16.93 x 10.83 x 12.99 in
Master Carton Quantities:	100pcs / Carton

## Feature Curves

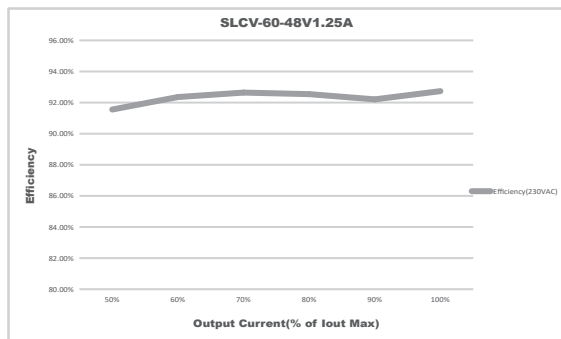
### 1. PF Curve



### 2. Efficiency Curve



# Feature Curves



## 3. Driver Lifetime vs. Case Temperature

