

# LINEAGE<sup>™</sup> 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 (Minimum at 70°C Tc)



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, UKCA
SLCV-60-24E	220-240	60	24	2.5	CE, UKCA
SLCV-60-36E	220-240	60	36	1.67	CE, UKCA
SLCV-60-48E	220-240	60	48	1.25	CE, UKCA

### 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 at Tc 70°C
<b>Surge Capacity:</b>	L-N : 1000V

## Environment

<b>Working Temperature</b>	-20°C - +45°C
<b>Working Humidity</b>	20% - 95% RH
<b>Case Temperature (for UL)</b>	+85°C
<b>Case Temperature (for warranty)</b>	+70°C
<b>Relative Humidity</b>	Operating 10 to 90% RH (Non-Condensing) Storage 5 to 95% RH (Non-Condensing)
<b>Environmental Locations</b>	CE 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

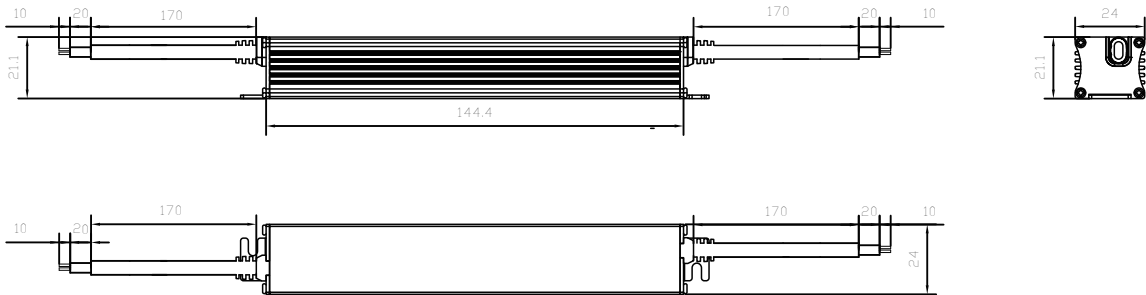
## Safety and Electromagnetic Compatibility

<b>Certifications:</b>	CE, UKCA
<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>		DC OUTPUT: Max Current:5A Maximum Power: 60W Regulated Voltage: 12 Vdc	tc LED-: Black LED+: Red
	N: Blue L: Brown	AC INPUT: 220-240V~0.5A 50/60Hz λ≥0.9 Manufacturer:Ninghai Yingjiao Electrical Co.,Ltd.			

	<b>YINGJIAO®</b> Constant Voltage LED Driver	<b>Model:SLCV-60-24E</b>		DC OUTPUT: Max Current: 2.5A Maximum Power: 60W Regulated Voltage: 24Vdc	tc LED-: Black LED+: Red
	N: Blue L: Brown	AC INPUT: 220-240V~0.5A 50/60Hz λ≥0.9 Manufacturer:Ninghai Yingjiao Electrical Co.,Ltd.			

	<b>YINGJIAO®</b> Constant Voltage LED Driver	<b>Model:SLCV-60-36E</b>		DC OUTPUT: Max Current:1.67 A Maximum Power: 60W Regulated Voltage: 36 Vdc	tc LED-: Black LED+: Red
	N: Blue L: Brown	AC INPUT: 220-240V~0.5A 50/60Hz λ≥0.9 Manufacturer:Ninghai Yingjiao Electrical Co.,Ltd.			

	<b>YINGJIAO®</b> Constant Voltage LED Driver	<b>Model:SLCV-60-48E</b>		DC OUTPUT: Max Current:1.25 A Maximum Power: 60W Regulated Voltage: 48 Vdc	tc LED-: Black LED+: Red
	N: Blue L: Brown	AC INPUT: 220-240V~0.5A 50/60Hz λ≥0.9 Manufacturer:Ninghai Yingjiao Electrical Co.,Ltd.			

# Packing

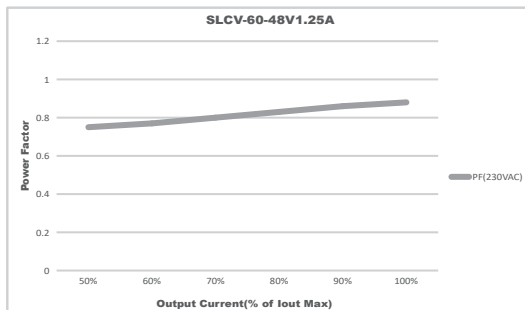
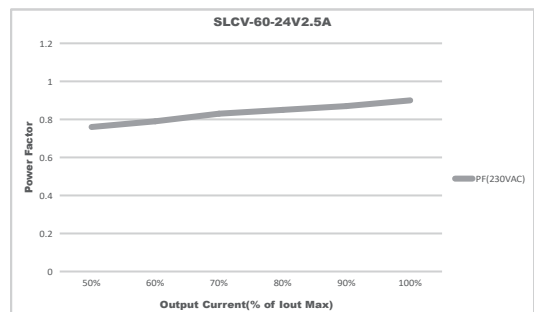
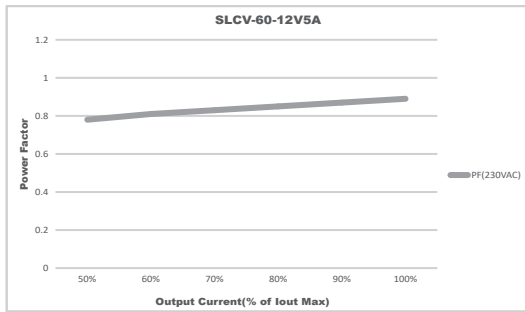
Length x Width x Height: 144.4x 24 x 21.1 mm  
5.69 x 0.94 x 0.83 in

Carton Size: 43 x 27.5 x 33 cm  
16.93 x 10.83 x 12.99 in

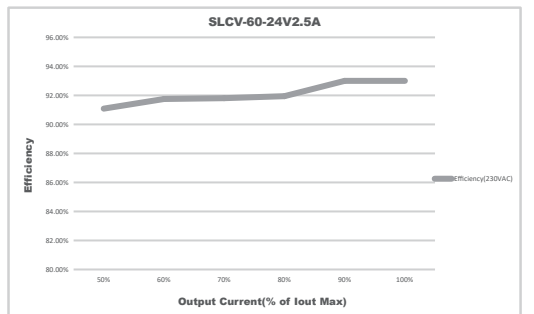
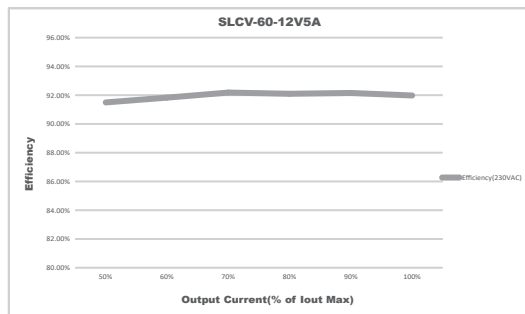
Master Carton Quantities: 100pcs / Carton

## Feature Curves

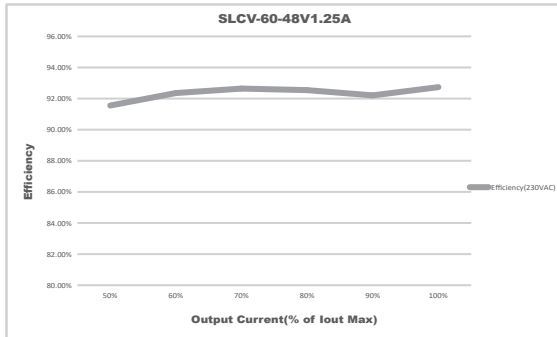
### 1. PF Curve



### 2. Efficiency Curve



# Feature Curves



## 3. Driver Lifetime vs. Case Temperature

