

# LINEAGE™ 60W SERIES

Subcompact | Constant Voltage | Non-Dimmable



Yingjiao's Lineage family of Subcompact Constant Voltage LED Drivers were designed for input voltages 120 through 277VAC 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



UL Class P Power Supply



IP44 Rated Case With  
Silicone-Based Potting



5 Year Warranty  
(Minimum at 70°C Tc)



90°C Maximum  
Case Temperature



Worldwide  
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-60-12	120-277	60	12	5	UL, cUL, FCC
SLCV-60-24	120-277	60	24	2.5	UL, cUL, FCC
SLCV-60-36	120-277	60	36	1.67	UL, cUL, FCC
SLCV-60-48	120-277	60	48	1.25	UL, cUL, FCC

## Input

Voltage Range:	120 - 277V
Frequency Range:	47 / 63HZ
Input Current:	1.05 A @ 115 Vac 0.4 A @ 230 Vac 0.3A @ 270 Vac
Power Factor (PF):	>0.9
Inrush Current:	Meets NEMA-410 requirements
Leakage Current:	400 uA @ 120 Vac    Measured per IEC60950-1 690 uA @ 230 Vac    Measured per IEC60950-1 900 uA @ 277 Vac    Measured per IEC60950-1
Efficiency:	>89%
THD:	<20%

## Output

Output Voltage:	12V    24V    36V    48V
Output Current:	5A    2.5A    1.67A    1.25A
Ripple Range:	≤5%
Start-up Time:	<0.5s

## 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

## Environment

<b>Working Temperature</b>	-20°C - +50°C
<b>Working Humidity</b>	20% - 95% RH
<b>Case Temperature (for UL)</b>	+90°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>	UL Dry & Damp
<b>Storage Temperature</b>	-40°C - +85°C
<b>HSF requirement</b>	Reach, RoHS

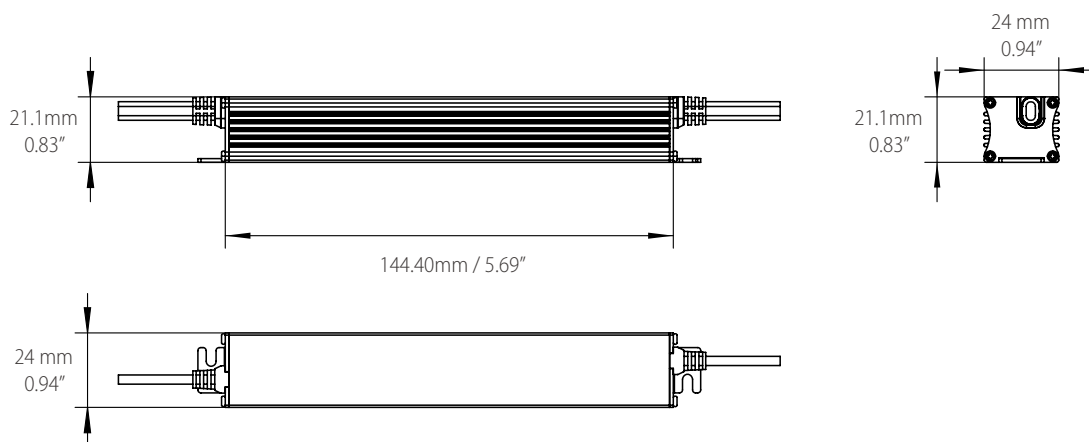
## Safety and Electromagnetic Compatibility

<b>Certifications:</b>	UL, cUL, CE, FCC
<b>Safety Standards:</b>	UL8750 listed Class P; CAN/CSA C22.2 No. 250.13-14 LED equipment for lighting applications; EN61347-2-13 electronic control gear for LED Modules
<b>EMI:</b>	Compliant with FCC CFR Title 47 Part 15 Class B at 120 Vac & Class A at 277 Vac; 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



## Label

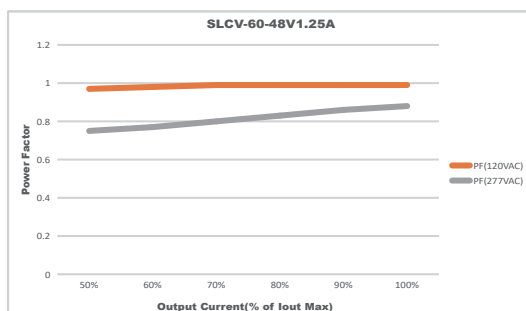
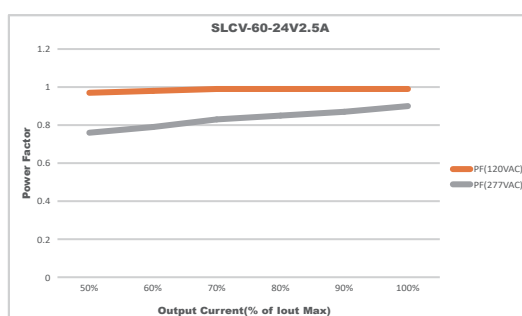
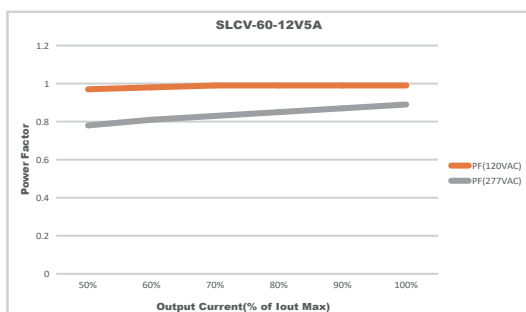
<b>YINGJIAO®</b> <b>Model:SLCV-60-12</b> Constant Voltage LED Driver Suitable for Dry or Damp Locations	<b>AC INPUT:</b> 120/277V~ 0.7A 50/60Hz λ±0.9 THD≤20% L: Black N: White	 <b>FC</b> Class 2 Made In China	<a href="http://www.YingjiaoDriver.com">www.YingjiaoDriver.com</a>  SELV	 <b>DC OUTPUT:</b> Max Current: 5A --- Maximum Power: 60W Regulated Voltage: 12Vdc ● IC LED+: Red LED-: Blue
<b>YINGJIAO®</b> <b>Model:SLCV-60-24</b> Constant Voltage LED Driver Suitable for Dry or Damp Locations	<b>AC INPUT:</b> 120/277V~ 0.7A 50/60Hz λ±0.9 THD≤20% L: Black N: White	 <b>FC</b> Class 2 Made In China	<a href="http://www.YingjiaoDriver.com">www.YingjiaoDriver.com</a>  SELV	 <b>DC OUTPUT:</b> Max Current: 2.5A --- Maximum Power: 60W Regulated Voltage: 24Vdc ● IC LED+: Red LED-: Blue
<b>YINGJIAO®</b> <b>Model:SLCV-60-36</b> Constant Voltage LED Driver Suitable for Dry or Damp Locations	<b>AC INPUT:</b> 120/277V~ 0.7A 50/60Hz λ±0.9 THD≤20% L: Black N: White	 <b>FC</b> Class 2 Made In China	<a href="http://www.YingjiaoDriver.com">www.YingjiaoDriver.com</a>  SELV	 <b>DC OUTPUT:</b> Max Current: 1.67A --- Maximum Power: 60W Regulated Voltage: 36Vdc ● IC LED+: Red LED-: Blue
<b>YINGJIAO®</b> <b>Model:SLCV-60-48</b> Constant Voltage LED Driver Suitable for Dry or Damp Locations	<b>AC INPUT:</b> 120/277V~ 0.7A 50/60Hz λ±0.9 THD≤20% L: Black N: White	 <b>FC</b> Class 2 Made In China	<a href="http://www.YingjiaoDriver.com">www.YingjiaoDriver.com</a>  SELV	 <b>DC OUTPUT:</b> Max Current: 1.25A --- Maximum Power: 60W Regulated Voltage: 48Vdc ● IC LED+: Red LED-: Blue

# Packing

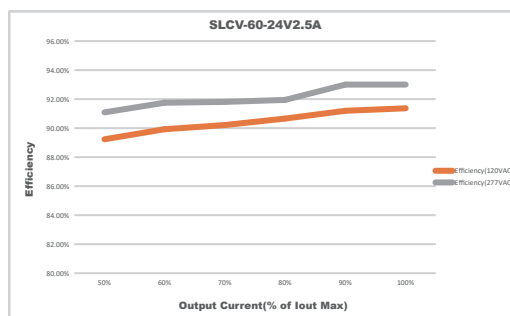
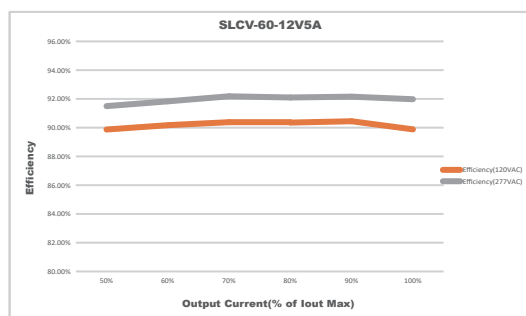
Length x Width x Height:	144.4x 24 x 21.1 mm 5.69 x 0.94 x 0.83 in
Carton Size:	43 x 27.5 x 33 cm 16.93 x 10.83 x 12.99 in
Master Carton Quantities:	100pcs / Carton

## Feature Curves

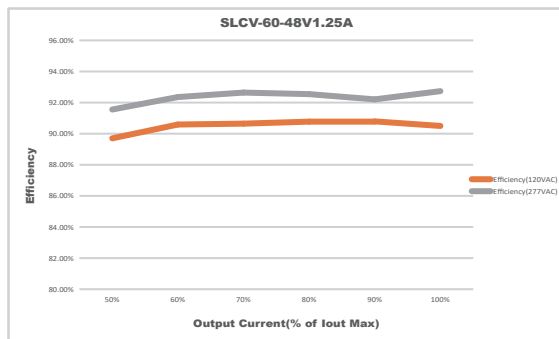
### 1. PF Curve



### 2. Efficiency Curve



# Feature Curves



## 3. Driver Lifetime vs. Case Temperature

