

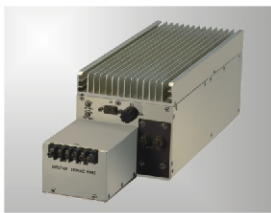


Top Leader In Power Electronics ▶▶▶



ISO-9001
Switching Power Supply
Manufacturer
www.power-con.com.tw

PCEC



► Military Power Supply



► Military Power Supply



► Communication Power Supply



► Industrial Power Supply



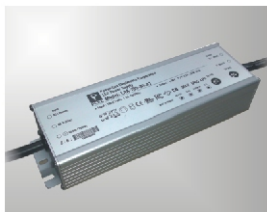
► LED Traffic Signal Lamps Power Supply



► LED Lighting Power Supply



► DC-DC LED Street Light Power Supply



► AC-DC LED Street Light Power Supply

Power-Con Electronics Corporation

To Power Connecting Electronic Contrivance With The Innovative Energy Saving Products

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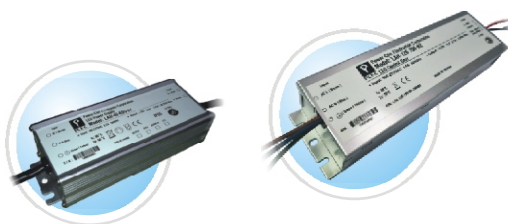
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About Power-Con Electronics Corporation

Power-Con Electronics Corporation (PCEC) was established in 1997. Since then, we become a leading power electronic product provider to customers in Commerce, Telecom, Communication, Industry, Medical and Military.

Power-Con Headquarter is located in Taiwan with a sales office in Japan and US. Our manufacturing site is at Taoyuan City, Taiwan which is ISO certified and RoHS compliant. Moreover, PCEC is the vendor of Military Power Supply approved by Taiwan Government.

Our standard products including:

Power Supply Unit (PSU):

- ▶ LED systems: traffic signal lamps / illumination devices / display board.
- ▶ Telecom / Communication systems: VCS / BEX-VPX / ATM / ADSL / IP network / Security communication.
- ▶ Commercial systems: set top boxes, cash register / POS systems, IPCs for ATM System.
- ▶ Industrial Equipment: factory controllers / power amplifiers.
- ▶ Medical high voltage instruments ranging from 10 Watts - 400 Watts / 150 VDC - 10K VDC.
- ▶ Special Military applications that meet Mil-Spec for Radar, Rugged PC, communication, missile launching systems.

Battery Chargers:

- ▶ Lead-Acid battery
- ▶ Ni-Cd battery

PCEC

Power-Con also offers low cost OEM and ODM. Besides PSU and Battery Chargers, our engineering experience includes design for wide range input, power factor correction, multi-outputs, Mag-Amp Regulator, Constant Current Mode, High Current Output, High Voltage Output, Hot Swap, Redundancy with Automatic Load Sharing, Fault Isolation...etc.

Whether it's a standard or custom design, Power-Con is committed in delivering the most innovative, reliable and cost-effective power supply solution to meet the needs of world-class companies. Making Power-Con is **"Your Excellent Power Solution Partner" !!**



Quality Management

Quality Techniques

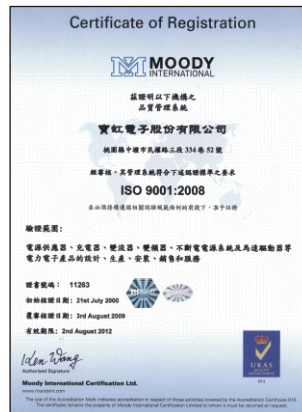
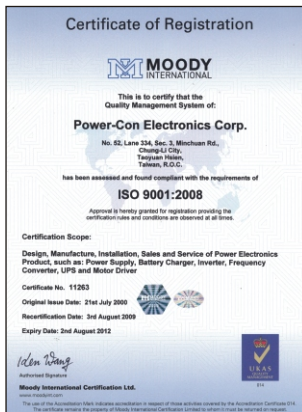
- ▶ Employee-Training Programs
- ▶ Machine & Equipment Control Improvement
- ▶ Process Control Improvement
- ▶ Benchmarking

Quality Slogans

- ▶ Doing right things right in the first time.
- ▶ Quality is everyone's responsibility and teamwork.
- ▶ Continuously Improvement, Endless Improvement.
- ▶ Customers First, Quality First.
- ▶ Prevention Is the Key.
- ▶ Process Management Is the Key.

Quality Systems

- ▶ ISO-9001: 2008 Revision (design & manufacturing)
Quality Systems Certification



Power-Con's Taiwan Headquarter is certified to ISO-9001



LAA Series High Efficiency LED Power Supply

Features

- ▶ Universal AC input / Full range up to 305Vrms.
- ▶ Power Factor > 0.95 (@ max. load.)
- ▶ Efficiency up to 94%.
- ▶ THD<15% at max. load, I/P=230Vrms.
- ▶ Surge protection common/diff. 4/4KV.
- ▶ Meeting lighting safety standard: UL8750 & IEC 61347.
- ▶ IP65 / IP67 design for LED indoor or outdoor lighting applications.
- ▶ Protections: Short circuit / Over current / Over voltage / Over temperature.
- ▶ Free air cooling.
- ▶ Dimming control (optional): 3 in 1 dimming (1~10Vdc, 10V PWM, Resistance), Timer, Smart Count Time, Time Programmable.
- ▶ Other optional function: DALI.
- ▶ 5 years warranty.

Specifications

Maximum Output Power		40W	60W	80W	100W	120W	150W	185W	240W	320W
Voltage rating		100~277Vrms ±10% (90~305Vrms)								
Power factor (Typ.)		PF > 0.95 at max. load, 115Vrms/230Vrms								
Cold start Inrush current (Typ.)		50A	55A	70A	60A	60A	75A	75A	75A	70A
Operating temperature		- 40°C~+70°C (refer to output derating curve)								
Withstand voltage		I/P-O/P: 3.75KVac, I/P-FG: 1.5KVac, O/P-FG: 0.5KVac								
Input wire		(UL) SJTW 18AWG×3C (30cm)			(UL) SJTW 16AWG×3C (30cm), (PSE) HVCTF 1.25mm²×3C (30cm)					
Output wire	Type 0, A, D&S	(UL) SJTW 18AWG×2C (30cm)			(UL) SJTW 14AWG×2C (32cm), (PSE) HVCTF 2.0mm²×2C (32cm)					
	Type B, C	(UL) SJTW 18AWG×2C (30cm) + SJTW 18AWG×2C (30cm)			(UL) SJTW 14AWG×2C (32cm), SJTW 18AWG×2C (32cm)					
Dimension		169 x 63 x 40 mm		193.5 x 63 x 40 mm	220 x 68 x 39 mm		228 x 68 x 39 mm		240.2 x 68 x 39 mm	252 x 90 x 43.8 mm
Weight		740 gram		790 gram	950 gram		1200 gram		1300 gram	1880 gram

Maximum Output Power	40W	60W	80W	100W	120W	150W	185W	240W	320W
Certificates									
				√	√	√	√	√	
	√	√	√	√	√	√	√	√	√
LPS	√	√	√	√					
LVLE/Output Voltage									
12V		n.a.		n.a.					
15V				n.a.	√				
20V				√	√				
24V				√	√	√	√		
27V	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	√	n.a.	n.a.
30V				√	√	√	√	√	
36V				√	√				
42V				√	√				
48V				√	√				
54V				√	√				

40W LAA-40 Series High Efficiency LED Power Supply

Features

- ▶ Universal AC input / Full range up to 305Vrms.
- ▶ Power Factor > 0.95 (@ max. load.)
- ▶ Efficiency up to 89.5%.
- ▶ THD<15% at max. load, I/P=230Vrms.
- ▶ Surge protection common/diff. 4/4KV.
- ▶ Meeting lighting safety standard: UL8750 & IEC 61347.
- ▶ IP65 / IP67 design for LED indoor or outdoor lighting applications.
- ▶ Protections: Short circuit / Over current / Over voltage / Over temperature.
- ▶ Free air cooling.
- ▶ Comply with EU ErP.



- ▶ Dimming control (optional): 3 in 1 dimming (1~10Vdc, 10V PWM, Resistance), Timer, Smart Count Time, Time Programmable.
- ▶ Other optional function: DALI.
- ▶ 5 years warranty.

CB CE cULus E355634 FC LPS SELV IP65/IP67

Specifications

Input	Voltage rating	100~277Vrms ±10% (90~305Vrms)
	Power factor (Typ.)	PF > 0.95 at max. load, 115Vrms/230Vrms
	Inrush current (Typ.)	Cold start, 50A at 230Vrms
Environment	Operating temperature	- 40°C~+70°C (refer to output derating curve)
EMC & Safety	Withstand voltage	I/P-O/P: 3.75KVac, I/P-FG: 1.5KVac, O/P-FG: 0.5KVac
	Safety standards	UL8750, CSA C22.2 No.60950-1-07, IEC61347-1, IEC61347-2-13, independent IP65 or IP67, design refer to UL60950-1
	EMC standards	FCC part 15, EN55015, IEC61000-3-2 Class C, EN61000-3-2, -3-3, -4-2,3,4,5,6,8,11, EN61547, IEC55024, IEC 62493:2009
Cable	Input wire	(UL) SJTW 18AWGx3C (30cm)
	Output wire	Type 0, A, D & S: (UL) SJTW 18 AWG×2C (30cm) Type B, C: (UL) SJTW 18 AWG×2C (30cm) + SJTW 18 AWG×2C (30cm)
Mechanical	Dimension/weight	169 (L) x 63 (W) x 40 (H) mm, Weight : 740 gram

Model	Constant Voltage Mode			Constant Current		Eff.
	Volt	V-Adjust	Current	I-Adjust	Voltage	
LAA-40-12-XY	12V	10.8~13.5V	0~3.33A	2~3.33A	7.2~12V	86.5%
LAA-40-15-XY	15V	13.5~17V	0~2.67A	1.6~2.67A	9~15V	86.5%
LAA-40-20-XY	20V	17~22V	0~2A	1.2~2A	12~20V	88%
LAA-40-24-XY	24V	22~27V	0~1.67A	1~1.67A	14.4~24V	88%
LAA-40-30-XY	30V	27~33V	0~1.34A	0.8~1.34A	18~30V	88.5%
LAA-40-36-XY	36V	33~40V	0~1.12A	0.67~1.12A	21.6~36V	88.5%
LAA-40-42-XY	42V	38~46V	0~0.96A	0.58~0.96A	25.2~42V	88.5%
LAA-40-48-XY	48V	43~53V	0~0.84A	0.5~0.84A	28.8~48V	89.5%
LAA-40-54-XY	54V	49~58V	0~0.75A	0.45~0.75A	32.4~54V	89.5%

P/N Information:

LAA - 40 - V - X Y - 0 0 0 0 0 - □

40: Maximum output power (Watt)

V: Output voltage (Volt)

X: type of output wire, 0, A, B, C, D, S

0=IP67 rated;

A=IP65 rated (V-Adjustable and I-Adjustable);

B=IP67 rated and built-in 3 in 1 dimming;

C=IP65 rated (I-Adj. and built-in 3 in 1 dimming);

D=IP67 rated and Timer dimming;

S=IP67 rated and Smart Count Time dimming.

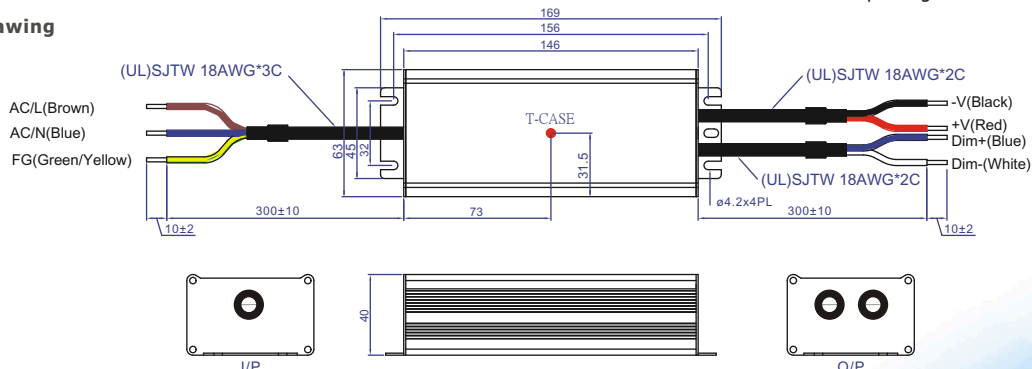
Y: Blank, 0-9, A-Z (market purpose, factory specified)

0 0 0 0 0: Output current (mA)

□: Code of import agent

LAA-40-V-B1

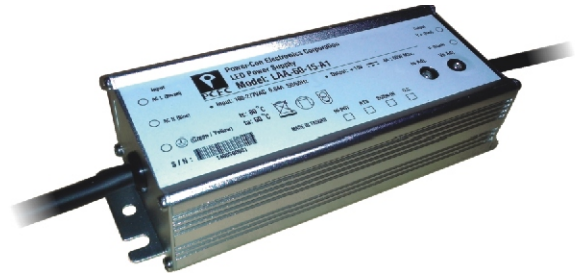
Dimensional Drawing



60W LAA-60 Series High Efficiency LED Power Supply

Features

- ▶ Universal AC input / Full range up to 305Vrms.
- ▶ Power Factor > 0.95 (@ max. Load.)
- ▶ Efficiency up to 90%.
- ▶ THD<15% at max. load, I/P=230Vrms.
- ▶ Surge protection common/diff. 4/4KV.
- ▶ Meeting lighting safety standard: UL8750 & IEC 61347.
- ▶ IP65 / IP67 design for LED indoor or outdoor lighting applications.
- ▶ Protections: Short circuit / Over current / Over voltage / Over temperature.
- ▶ Free air cooling.
- ▶ Comply with EU ErP



- ▶ Dimming control (optional): 3 in 1 dimming (1~10Vdc, 10V PWM, Resistance), Timer, Smart Count Time, Time Programmable.
- ▶ Other optional function: DALI.
- ▶ 5 years warranty.

CB CE cULus FC LPS SELV IP65/IP67

Specifications

Input	Voltage rating	100~277Vrms ±10% (90~305Vrms)
	Power factor (Typ.)	PF > 0.95 at max. load, 115Vrms/230Vrms
	Inrush current (Typ.)	Cold start, 55A at 230Vrms
Environment	Operating temperature	- 40°C~+70°C (refer to output derating curve)
EMC & Safety	Withstand voltage	I/P-O/P: 3.75KVac, I/P-FG: 1.5KVac, O/P-FG: 0.5KVac
	Safety standards	UL8750, CSA C22.2 No.60950-1-07, IEC61347-1, IEC61347-2-13, independent IP65 or IP67, design refer to UL60950-1
	EMC standards	FCC part 15, EN55015, IEC61000-3-2 Class C, EN61000-3-2, -3-3, -4-2,3,4,5,6,8,11, EN61547, IEC55024, IEC 62493:2009
Cable	Input wire	(UL) SJTW 18AWGx3C (30cm)
	Output wire	Type 0, A, D & S: (UL) SJTW 18 AWG×2C (30cm) Type B, C: (UL) SJTW 18 AWG×2C (30cm) + SJTW 18 AWG×2C (30cm)
Mechanical	Dimension/weight	169 (L) x 63 (W) x 40 (H) mm, Weight : 740 gram

Model	Constant Voltage Mode			Constant Current		Eff.
	Volt	V-Adjust	Current	I-Adjust	Voltage	
LAA-60-15-XY	15V	13.5~17V	0~4A	2.4~4A	9~15V	87.5%
LAA-60-20-XY	20V	17~22V	0~3A	1.8~3A	12~20V	89%
LAA-60-24-XY	24V	22~27V	0~2.5A	1.5~2.5A	14.4~24V	89.5%
LAA-60-30-XY	30V	27~33V	0~2A	1.2~2A	18~30V	90%
LAA-60-36-XY	36V	33~40V	0~1.7A	1~1.7A	21.6~36V	90%
LAA-60-42-XY	42V	38~46V	0~1.45A	0.87~1.45A	25.2~42V	90%
LAA-60-48-XY	48V	43~53V	0~1.3A	0.78~1.3A	28.8~48V	90.5%
LAA-60-54-XY	54V	49~58V	0~1.15A	0.69~1.15A	32.4~54V	90.5%

P/N Information:

LAA - 60 - V - XY - ○○○○○○ □

60: Maximum output power (Watt)

V: Output voltage (Volt)

X: type of output wire, 0, A, B, C, D, S

0= IP67 rated;

A= IP65 rated (V-Adjustable and I-Adjustable);

B= IP67 rated and built-in 3 in 1 dimming;

C= IP65 rated (I-Adj. and built-in 3 in 1 dimming);

D= IP67 rated and Timer dimming;

S= IP67 rated and Smart Count Time dimming.

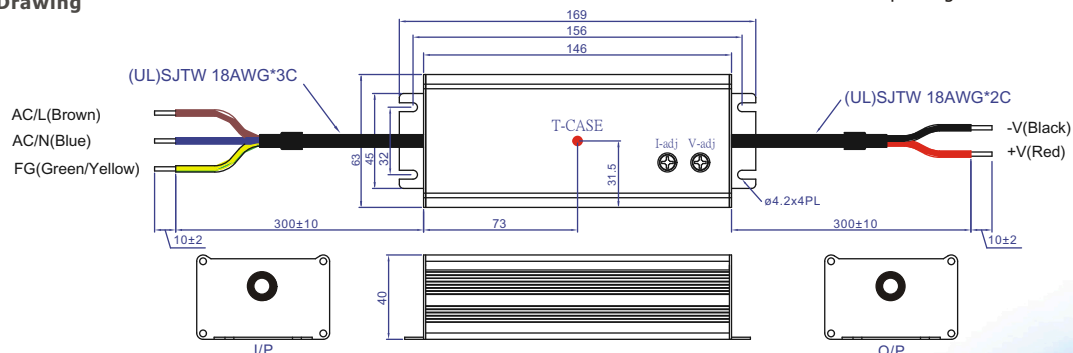
Y: Blank, 0-9, A-Z (market purpose, factory specified)

○○○○○: Output current (mA)

□: Code of import agent

LAA-60-V-A1

Dimensional Drawing



80W LAA-80 Series High Efficiency LED Power Supply

Features

- ▶ Universal AC input / Full range up to 305Vrms.
- ▶ Power Factor > 0.96 (@ max. load.)
- ▶ Efficiency up to 90.5%.
- ▶ THD<15% at max. load, I/P=230Vrms.
- ▶ Surge protection common/diff. 4/4KV.
- ▶ Meeting lighting safety standard: UL8750 & IEC 61347.
- ▶ IP65 / IP67 design for LED indoor or outdoor lighting applications.
- ▶ Protections: Short circuit / Over current / Over voltage / Over temperature.
- ▶ Free air cooling.
- ▶ Comply with EU ErP.



- ▶ Dimming control (optional): 3 in 1 dimming (1~10Vdc, 10V PWM, Resistance), Timer, Smart Count Time, Time Programmable.
- ▶ Other optional function: DALI.
- ▶ 5 years warranty.

CB CE cULus FC LPS SELV IP65/IP67

Specifications

Input	Voltage rating	100~277Vrms ±10% (90~305Vrms)
	Power factor (Typ.)	PF > 0.96 at max. load, 115Vrms/230Vrms
	Inrush current (Typ.)	Cold start, 70A at 230Vrms
Environment	Operating temperature	- 40°C~+70°C (refer to output derating curve)
EMC & Safety	Withstand voltage	I/P-O/P: 3.75KVac, I/P-FG: 1.5KVac, O/P-FG: 0.5KVac
	Safety standards	UL8750, CSA C22.2 No.60950-1-07, IEC61347-1, IEC61347-2-13, independent IP65 or IP67, design refer to UL60950-1
	EMC standards	FCC part 15, EN55015, IEC61000-3-2 Class C, EN61000-3-2, -3-3, -4-2,3,4,5,6,8,11, EN61547, IEC55024, IEC 62493:2009
Cable	Input wire	(UL) SJTW 18AWGx3C (30cm)
	Output wire	Type 0, A, D & S: (UL) SJTW 18 AWG×2C (30cm) Type B, C: (UL) SJTW 18 AWG×2C (30cm) + SJTW 18 AWG×2C (30cm)
Mechanical	Dimension/weight	193.5 (L) x 63 (W) x 40 (H) mm, Weight : 790 gram

Model	Constant Voltage Mode			Constant Current		Eff.
	Volt	V-Adjust	Current	I-Adjust	Voltage	
LAA-80-12-XY	12V	10.8~13.5V	0~5A	3~5A	7.2~12V	87.5%
LAA-80-15-XY	15V	13.5~17V	0~5A	3~5A	9~15V	89%
LAA-80-20-XY	20V	17~22V	0~4A	2.4~4A	12~20V	89.5%
LAA-80-24-XY	24V	22~27V	0~3.4A	2.04~3.4A	14.4~24V	90%
LAA-80-30-XY	30V	27~33V	0~2.7A	1.62~2.7A	18~30V	90.5%
LAA-80-36-XY	36V	33~40V	0~2.3A	1.38~2.3A	21.6~36V	90.5%
LAA-80-42-XY	42V	38~46V	0~1.95A	1.17~1.95A	25.2~42V	90.5%
LAA-80-48-XY	48V	43~53V	0~1.7A	1.02~1.7A	28.8~48V	90.5%
LAA-80-54-XY	54V	49~58V	0~1.5A	0.9~1.5A	32.4~54V	90.5%

P/N Information:

LAA - 80 - V - X Y - ○ ○ ○ ○ ○ □

80: Maximum output power (Watt)

V: Output voltage (Volt)

X: type of output wire, 0, A, B, C, D, S

0= IP67 rated;

A= IP65 rated (V-Adjustable and I-Adjustable);

B= IP67 rated and built-in 3 in 1 dimming;

C= IP65 rated (I-Adj. and built-in 3 in 1 dimming);

D= IP67 rated and Timer dimming;

S= IP67 rated and Smart Count Time dimming.

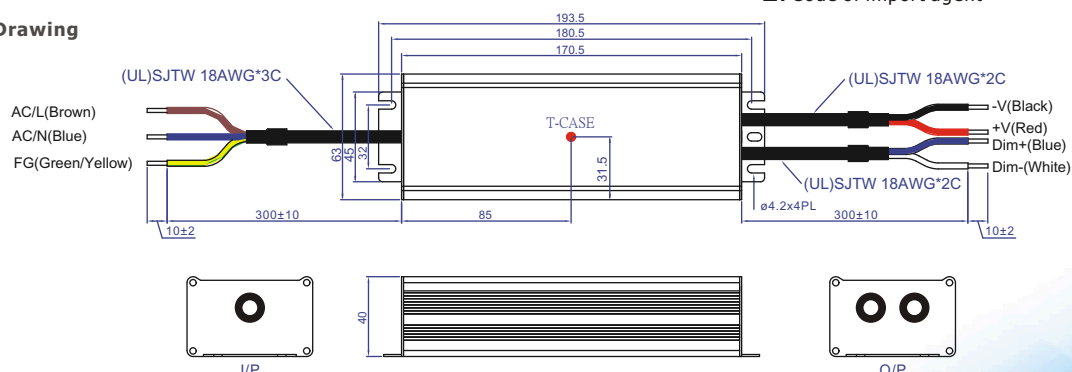
Y: Blank, 0-9, A-Z (market purpose, factory specified)

○ ○ ○ ○ ○: Output current (mA)

□: Code of import agent

LAA-80-V-B1

Dimensional Drawing



100W LAA-100 Series High Efficiency LED Power Supply

Features

- ▶ Universal AC input / Full range up to 305Vrms.
- ▶ Power Factor > 0.95 (@ max. load.)
- ▶ Efficiency up to 93%.
- ▶ THD<15% at max. load, I/P=230Vrms.
- ▶ Surge protection common/diff. 4/4KV.
- ▶ Meeting lighting safety standard: UL8750 & IEC 61347.
- ▶ IP65 / IP67 design for LED indoor or outdoor lighting applications.
- ▶ Protections: Short circuit / Over current / Over voltage / Over temperature.
- ▶ Free air cooling.
- ▶ Comply with EU ErP.



- ▶ Dimming control (optional): 3 in 1 dimming (1~10Vdc, 10V PWM, Resistance), Timer, Smart Count Time, Time Programmable.
- ▶ Other optional function: DALI.
- ▶ 5 years warranty.



Specifications

Input	Voltage rating	100~277Vrms $\pm 10\%$ (90~305Vrms)
	Power factor (Typ.)	PF > 0.95 at max. load, 115Vrms/230Vrms
	Inrush current (Typ.)	Cold start, 60A at 230Vrms
Environment	Operating temperature	-40°C~+70°C (refer to output derating curve)
EMC & Safety	Withstand voltage	I/P-O/P: 4KVac, I/P-FG: 1.6KVac, O/P-FG: 0.5KVac
	Safety standards	UL8750, CSA C22.2 No.60950-1-07, IEC61347-1, IEC61347-2-13, EN62384, independent IP65 or IP67, design refer to UL60950-1, PSE省令別表第八
	EMC standards	FCC part 15, EN55015, IEC61000-3-2 Class C, EN61000-3-2, -3-3, -4-2,3,4,5,6,8,11, EN61547, IEC55024, IEC 62493:2009
Cable	Input wire	(UL) SJTW 16AWG $\times$ 3C (30cm), (PSE) HVCTF 1.25mm 2 $\times$ 3C (30cm)
	Output wire	Type 0, A, D & S: (UL) SJTW 14AWG $\times$ 2C (32cm), (PSE) HVCTF 2.0mm 2 $\times$ 2C (32cm) Type B, C: (UL) SJTW 14AWG $\times$ 2C (32cm) + SJTW 18AWG $\times$ 2C (32cm)
Mechanical	Dimension/weight	220 (L) x 68 (W) x 39 (H) mm, Weight : 950 gram

Model	Constant Voltage Mode			Constant Current		Eff.
	Volt	V-Adjust	Current	I-Adjust	Voltage	
LAA-100-20-XY	20V	17~22V	0~4.8A	3~4.8A	10~20V	92.0%
LAA-100-24-XY	24V	22~27V	0~4A	2.5~4A	12~24V	92.0%
LAA-100-30-XY	30V	27~33V	0~3.2A	2~3.2A	15~30V	92.5%
LAA-100-36-XY	36V	33~40V	0~2.65A	1.65~2.65A	18~36V	93.0%
LAA-100-42-XY	42V	38~46V	0~2.28A	1.4~2.28A	21~42V	93.0%
LAA-100-48-XY	48V	43~53V	0~2A	1.25~2A	24~48V	93.0%
LAA-100-54-XY	54V	49~58V	0~1.77A	1.1~1.77A	27~54V	93.0%

P/N Information:

LAA - 100 - V - XY - ○○○○○○ - □

100: Maximum output power (Watt)

V: Output voltage (Volt)

X: type of output wire, 0, A, B, C, D, S

0= IP67 rated;

A= IP65 rated (V-Adjustable and I-Adjustable);

B= IP67 rated and built-in 3 in 1 dimming;

C= IP65 rated (I-Adj. and built-in 3 in 1 dimming);

D= IP67 rated and Timer dimming;

S= IP67 rated and Smart Count Time dimming.

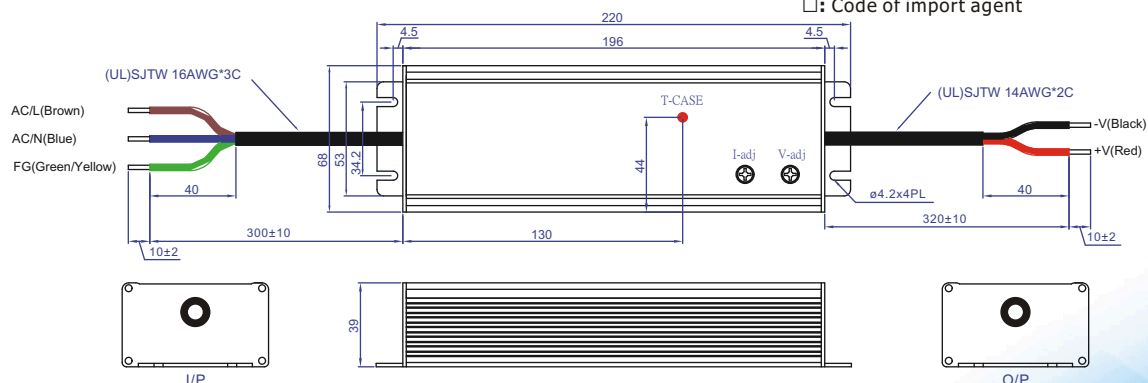
Y: Blank, 0-9, A-Z (market purpose, factory specified)

○○○○○: Output current (mA)

□: Code of import agent

LAA-100-V-A1

Dimensional Drawing



120W LAA-120 Series High Efficiency LED Power Supply

Features

- ▶ Universal AC input / Full range up to 305Vrms.
- ▶ Power Factor > 0.95 (@ max. load.)
- ▶ Efficiency up to 93%.
- ▶ THD<15% at max. load, I/P=230Vrms.
- ▶ Surge protection common/diff. 4/4KV.
- ▶ Meeting lighting safety standard: UL8750 & IEC 61347.
- ▶ IP65 / IP67 design for LED indoor or outdoor lighting applications.
- ▶ Protections: Short circuit / Over current / Over voltage / Over temperature.
- ▶ Free air cooling.
- ▶ Comply with EU ErP.



- ▶ Dimming control (optional): 3 in 1 dimming (1~10Vdc, 10V PWM, Resistance), Timer, Smart Count Time, Time Programmable.
- ▶ Other optional function: DALI.
- ▶ 5 years warranty.



Specifications

Input	Voltage rating	100~277Vrms ±10% (90~305Vrms)
	Power factor (Typ.)	PF > 0.95 at max. load, 115Vrms/230Vrms
	Inrush current (Typ.)	Cold start, 60A at 230Vrms
Environment	Operating temperature	- 40°C~+70°C (refer to output derating curve)
EMC & Safety	Withstand voltage	I/P-O/P: 4KVac, I/P-FG: 1.6KVac, O/P-FG: 0.5KVac
	Safety standards	UL8750, CSA C22.2 No.60950-1-07, IEC61347-1, IEC61347-2-13, EN62384, independent IP65 or IP67, design refer to UL60950-1, PSE省令別表第八
	EMC standards	FCC part 15, EN55015, IEC61000-3-2 Class C, EN61000-3-2, -3-3, -4-2,3,4,5,6,8,11, EN61547, IEC55024, IEC 62493:2009
Cable	Input wire	(UL) SJTW 16AWG×3C (30cm), (PSE) HVCTF 1.25mm²×3C (30cm)
	Output wire	Type 0, A, D & S: (UL) SJTW 14AWG×2C (32cm), (PSE) HVCTF 2.0mm² ×2C (32cm) Type B,C: (UL) SJTW 14AWG×2C (32cm) + SJTW 18AWG×2C (32cm)
Mechanical	Dimension/weight	220 (L) x 68 (W) x 39 (H) mm, Weight : 950 gram

Model	Constant Voltage Mode			Constant Current		Eff.
	Volt	V-Adjust	Current	I-Adjust	Voltage	
LAA-120-12-XY	12V	10.8~13.5V	0~10A	5~10A	6~12V	91%
LAA-120-15-XY	15V	13.5~17V	0~8A	4~8A	7.5~15V	91%
LAA-120-20-XY	20V	17~22V	0~6A	3~6A	10~20V	91.5%
LAA-120-24-XY	24V	22~27V	0~5A	2.5~5A	12~24V	92.0%
LAA-120-30-XY	30V	27~33V	0~4A	2~4A	15~30V	93.0%
LAA-120-36-XY	36V	33~40V	0~3.4A	1.7~3.4A	18~36V	93.0%
LAA-120-42-XY	42V	38~46V	0~2.9A	1.4~2.9A	21~42V	93.0%
LAA-120-48-XY	48V	43~53V	0~2.5A	1.2~2.5A	24~48V	93.0%
LAA-120-54-XY	54V	49~58V	0~2.3A	1.1~2.3A	27~54V	93.0%

P/N Information:

LAA - 120 - V - XY - ○○○○○○ - □

120: Maximum output power (Watt)

V: Output voltage (Volt)

X: type of output wire, 0, A, B, C, D, S

0=IP67 rated;

A=IP65 rated (V-Adjustable and I-Adjustable);

B=IP67 rated and built-in 3 in 1 dimming;

C=IP65 rated (I-Adj. and built-in 3 in 1 dimming);

D=IP67 rated and Timer dimming;

S=IP67 rated and Smart Count Time dimming.

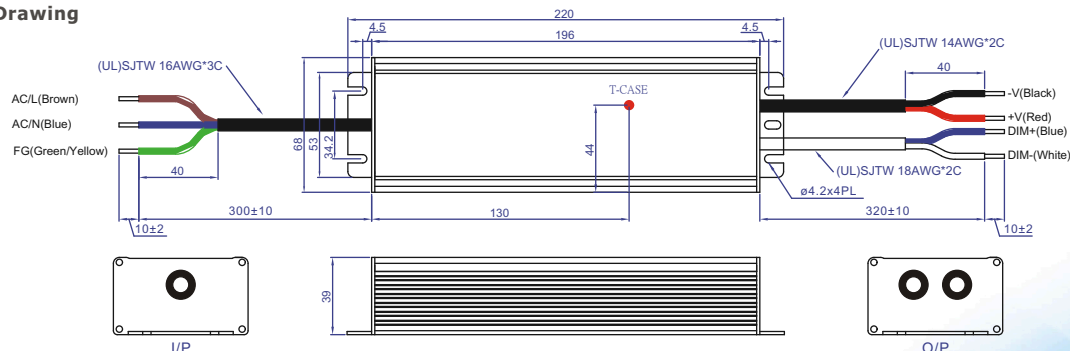
Y: Blank, 0-9, A-Z (market purpose, factory specified)

○○○○○: Output current (mA)

□: Code of import agent

LAA-120-V-B1

Dimensional Drawing



150W LAA-150 Series High Efficiency LED Power Supply

Features

- ▶ Universal AC input / Full range up to 305Vrms.
- ▶ Power Factor > 0.95 (@ max. load.)
- ▶ Efficiency up to 93%.
- ▶ THD<15% at max. load, I/P=230Vrms.
- ▶ Surge protection common/diff. 4/4KV.
- ▶ Meeting lighting safety standard: UL8750 & IEC 61347.
- ▶ IP65 / IP67 design for LED indoor or outdoor lighting applications.
- ▶ Protections: Short circuit / Over current / Over voltage / Over temperature.
- ▶ Free air cooling.
- ▶ Comply with EU Erp.



- ▶ Dimming control (optional): 3 in 1 dimming (1~10Vdc, 10V PWM, Resistance), Timer, Smart Count Time, Time Programmable.
- ▶ Other optional function: DALI.
- ▶ 5 years warranty.



Specifications

Input	Voltage rating	100~277Vrms ±10% (90~305Vrms)
	Power factor (Typ.)	PF > 0.95 at max. load, 115Vrms/230Vrms
	Inrush current (Typ.)	Cold start, 75A at 230Vrms
Environment	Operating temperature	- 40°C~+70°C (refer to output derating curve)
EMC & Safety	Withstand voltage	I/P-O/P: 4KVac, I/P-FG: 1.6KVac, O/P-FG: 0.5KVac
	Safety standards	UL8750, CSA C22.2 No.60950-1-07, IEC61347-1, IEC61347-2-13, EN62384, independent IP65 or IP67, design refer to UL60950-1, PSE省令別表第八
	EMC standards	FCC part 15, EN55015, IEC61000-3-2 Class C, EN61000-3-2, -3-3, -4-2,3,4,5,6,8,11, EN61547, IEC55024, IEC 62493:2009
Cable	Input wire	(UL) SJTW 16AWG×3C (30cm), (PSE) HVCTF 1.25mm²×3C (30cm)
	Output wire	Type 0, A, D & S: (UL) SJTW 14AWG×2C (32cm), (PSE) HVCTF 2.0mm² ×2C (32cm) Type B, C: (UL) SJTW 14AWG×2C (32cm) + SJTW 18AWG×2C (32cm)
Mechanical	Dimension/weight	228 (L) x 68 (W) x 39 (H) mm, Weight : 1200 gram

Model	Constant Voltage Mode			Constant Current		Eff.
	Volt	V-Adjust	Current	I-Adjust	Voltage	
LAA-150-12-XY	12V	10.8~13.5V	0~12.5A	7~12.5A	6~12V	91.0%
LAA-150-15-XY	15V	13.5~17V	0~10A	6~10A	7.5~15V	91.0%
LAA-150-20-XY	20V	17~22V	0~7.5A	4.5~7.5A	10~20V	92.0%
LAA-150-24-XY	24V	22~27V	0~6.3A	3.8~6.3A	12~24V	92.0%
LAA-150-30-XY	30V	27~33V	0~5A	3~5A	15~30V	92.0%
LAA-150-36-XY	36V	33~40V	0~4.2A	2.5~4.2A	18~36V	92.0%
LAA-150-42-XY	42V	38~46V	0~3.6A	2.16~3.6A	21~42V	93.0%
LAA-150-48-XY	48V	43~53V	0~3.2A	1.92~3.2A	24~48V	93.0%
LAA-150-54-XY	54V	49~58V	0~2.8A	1.68~2.8A	27~54V	93.0%

P/N Information:

LAA - 150 - V - XY - ○○○○○○ - □

150: Maximum output power (Watt)

V: Output voltage (Volt)

X: type of output wire, 0, A, B, C, D, S

0= IP67 rated;

A= IP65 rated (V-Adjustable and I-Adjustable);

B= IP67 rated and built-in 3 in 1 dimming;

C= IP65 rated (I-Adj. and built-in 3 in 1 dimming);

D= IP67 rated and Timer dimming;

S= IP67 rated and Smart Count Time dimming.

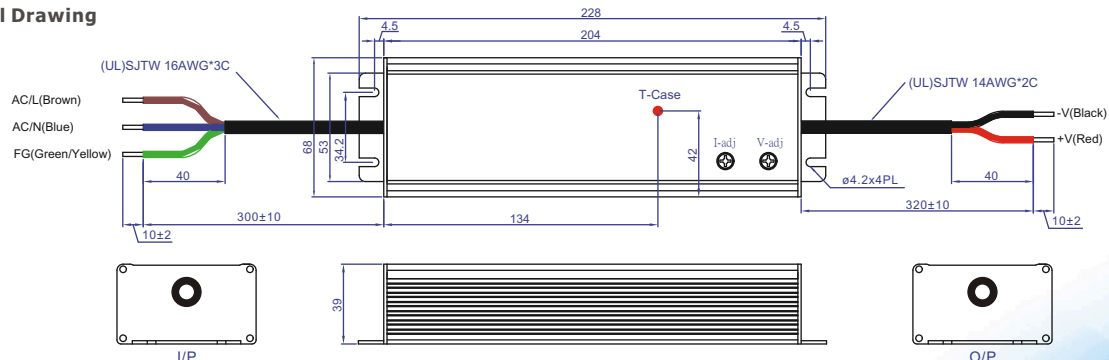
Y: Blank, 0-9, A-Z (market purpose, factory specified)

○○○○○: Output current (mA)

□: Code of import agent

LAA-150-V-A1

Dimensional Drawing



185W LAA-185 Series High Efficiency LED Power Supply

Features

- ▶ Universal AC input / Full range up to 305Vrms.
- ▶ Power Factor > 0.95 (@ max. load.)
- ▶ Efficiency up to 93%.
- ▶ THD<15% at max. load, I/P=230Vrms.
- ▶ Surge protection common/diff. 4/4KV.
- ▶ Meeting lighting safety standard: UL8750 & IEC 61347.
- ▶ IP65 / IP67 design for LED indoor or outdoor lighting applications.
- ▶ Protections: Short circuit / Over current / Over voltage / Over temperature.
- ▶ Free air cooling.
- ▶ Comply with EU ErP.



- ▶ Dimming control (optional): 3 in 1 dimming (1~10Vdc, 10V PWM, Resistance), Timer, Smart Count Time, Time Programmable.
- ▶ Other optional function: DALI.
- ▶ 5 years warranty.



Specifications

Input	Voltage rating	100~277Vrms ±10% (90~305Vrms)
	Power factor (Typ.)	PF > 0.95 at max. load, 115Vrms/230Vrms
	Inrush current (Typ.)	Cold start, 75A at 230Vrms
Environment	Operating temperature	-40°C~+70°C (refer to output derating curve)
EMC & Safety	Withstand voltage	I/P-O/P: 4KVac, I/P-FG: 1.6KVac, O/P-FG: 0.5KVac
	Safety standards	UL8750, CSA C22.2 No.60950-1-07, IEC61347-1, IEC61347-2-13, EN62384, independent IP65 or IP67, design refer to UL60950-1, PSE省令別表第八
	EMC standards	FCC part 15, EN55015, IEC61000-3-2 Class C, EN61000-3-2, -3-3, -4-2,3,4,5,6,8,11, EN61547, IEC55024, IEC 62493:2009
Cable	Input wire	(UL) SJTW 16AWG×3C (30cm), (PSE) HVCTF 1.25mm²×3C (30cm)
	Output wire	Type 0, A, D & S: (UL) SJTW 14AWG×2C (32cm), (PSE) HVCTF 2.0mm² ×2C (32cm) Type B, C: (UL) SJTW 14AWG×2C (32cm) + SJTW 18AWG×2C (32cm)
Mechanical	Dimension/weight	228 (L) x 68 (W) x 39 (H) mm, Weight : 1200 gram

Model	Constant Voltage Mode			Constant Current		Eff.
	Volt	V-Adjust	Current	I-Adjust	Voltage	
LAA-185-12-XY	12V	10.8~13.5V	0~13A	6.5~13A	6~12V	91.0%
LAA-185-15-XY	15V	13.5~17V	0~11.5A	5.75~11.5A	7.5~15V	91.0%
LAA-185-20-XY	20V	17~22V	0~9.3A	4.65~9.3A	10~20V	93.0%
LAA-185-24-XY	24V	22~27V	0~7.8A	3.9~7.8A	12~24V	93.0%
LAA-185-27-XY	27V	24~30V	0~6.9A	3.45~6.9A	13.5~27V	93.0%
LAA-185-30-XY	30V	27~33V	0~6.2A	3.1~6.2A	15~30V	93.0%
LAA-185-36-XY	36V	33~40V	0~5.2A	2.6~5.2A	18~36V	93.0%
LAA-185-42-XY	42V	38~46V	0~4.4A	2.2~4.4A	21~42V	93.0%
LAA-185-48-XY	48V	43~53V	0~3.9A	1.95~3.9A	24~48V	93.0%
LAA-185-54-XY	54V	49~58V	0~3.45A	1.72~3.45A	27~54V	93.0%

P/N Information:

LAA - 185 - V - XY - ○○○○○○ - □

185: Maximum output power (Watt)

V: Output voltage (Volt)

X: type of output wire, 0, A, B, C, D, S

0= IP67 rated;

A= IP65 rated (V-Adjustable and I-Adjustable);

B= IP67 rated and built-in 3 in 1 dimming;

C= IP65 rated (I-Adj. and built-in 3 in 1 dimming);

D= IP67 rated and Timer dimming;

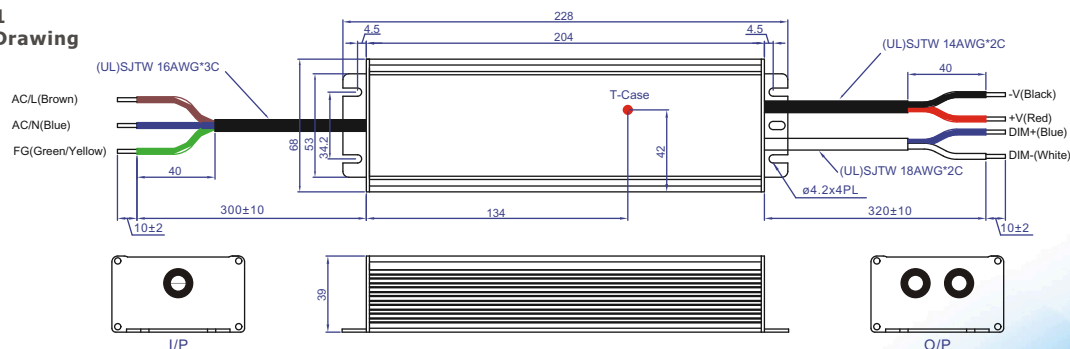
S= IP67 rated and Smart Count Time dimming.

Y: Blank, 0-9, A-Z (market purpose, factory specified)

○○○○○: Output current (mA)

□: Code of import agent

LAA-185-V-B1 Dimensional Drawing



240W LAA-240 Series

- 






 LVLE SELV IP65/IP67
 (for 30V only)

Input	Voltage rating	100~277Vrms ±10% (90~305Vrms)
	Power factor (Typ.)	PF > 0.95 at max. load, 115Vrms/230Vrms
	Inrush current (Typ.)	Cold start, 75A at 230Vrms
Environment	Operating temperature	- 40°C~+70°C (refer to output derating curve)
EMC & Safety	Withstand voltage	I/P-O/P: 4KVac, I/P-FG: 1.6KVac, O/P-FG: 0.5KVac
	Safety standards	UL8750, CSA C22.2 No.60950-1-07, IEC61347-1, IEC61347-2-13, EN62384, independent IP65 or IP67, design refer to UL60950-1, PSE省令別表第八
	EMC standards	FCC part 15, EN55015, IEC61000-3-2 Class C, EN61000-3-2, -3-3, -4-2,3,4,5,6,8,11, EN61547, IEC55024, IEC 62493:2009
Cable	Input wire	(UL) SJTW 16AWG×3C (30cm), (PSE) HVCTF 1.25mm²×3C (30cm)
	Output wire	Type 0, A, D & S: (UL) SJTW 14AWG×2C (32cm), (PSE) HVCTF 2.0mm² ×2C (32cm) Type B: (UL) SJTW 14AWG×2C (32cm) + SJTW 18AWG×2C (32cm)
Mechanical	Dimension/weight	240.2 (L) x 68 (W) x 39 (H) mm, Weight : 1300 gram

Model	Constant Voltage Mode			Constant Current		Eff.
	Volt	V-Adjust	Current	I-Adjust	Voltage	
LAA-240-12-XY	12V	11.2~12.8V	0~16A	8~16A	6~12V	90.0%
LAA-240-15-XY	15V	14~16V	0~15A	7.5~15A	7.5~15V	90.0%
LAA-240-20-XY	20V	18.6~21.4V	0~12A	6~12A	10~20V	92.0%
LAA-240-24-XY	24V	22.4~25.6V	0~10A	5~10A	12~24V	93.0%
LAA-240-30-XY	30V	28~32V	0~8A	4~8A	15~30V	93.0%
LAA-240-36-XY	36V	33.5~38.5V	0~6.7A	3.3~6.7A	18~36V	93.0%
LAA-240-42-XY	42V	39~45V	0~5.72A	2.86~5.72A	21~42V	93.0%
LAA-240-48-XY	48V	44.8~51.2V	0~5A	2.5~5A	24~48V	93.0%
LAA-240-54-XY	54V	50~57V	0~4.45A	2.23~4.45A	27~54V	94.0%

□: Code of import agent

[illegible]

320W LAA-320 Series High Efficiency LED Power Supply

Features

- ▶ Universal AC input / Full range up to 305Vrms.
- ▶ Power Factor > 0.95 (@ max. load.)
- ▶ Efficiency up to 94%.
- ▶ THD<15% at max. load, I/P=230Vrms.
- ▶ Surge protection common/diff. 4/4KV.
- ▶ Meeting lighting safety standard: UL8750 & IEC 61347.
- ▶ IP65 / IP67 design for LED indoor or outdoor lighting applications.
- ▶ Protections: Short circuit / Over current / Over voltage / Over temperature.
- ▶ Free air cooling.
- ▶ Comply with EU ErP.



- ▶ Dimming control (optional): 3 in 1 dimming (1~10Vdc, 10V PWM, Resistance), Timer, Smart Count Time, Time Programmable.
- ▶ Other optional function: DALI.
- ▶ 5 years warranty.

CB CE cULus FC SELV IP65/IP67

Specifications

Input	Voltage rating	100~277Vrms ±10% (90~305Vrms)
	Power factor (Typ.)	PF > 0.95 at max. load, 115Vrms/230Vrms
	Inrush current (Typ.)	Cold start 70A (twidth = 1010 μs measured at 50% Ipeak) at 230Vrms
Environment	Operating temperature	- 40°C~+70°C (refer to output derating curve)
EMC & Safety	Withstand voltage	I/P-O/P: 3.75KVac, I/P-FG: 1.5KVac, O/P-FG: 0.5KVac
	Safety standards	UL8750, CSA C22.2 No.60950-1-07, IEC61347-1, IEC61347-2-13, independent IP65 or IP67, design refer to UL60950-1
	EMC standards	FCC part 15, EN55015, IEC61000-3-2 Class C, EN61000-3-2, -3-3, -4-2,3,4,5,6,8,11, EN61547, IEC55024, IEC 62493:2009
Cable	Input wire	(UL) SJTW 16AWG×3C (30cm), (PSE) HVCTF 1.25mm²×3C (30cm)
	Output wire	Type 0, A, D & S: (UL) SJTW 14AWG×2C (32cm), (PSE) HVCTF 2.0mm² ×2C (32cm) Type B, C: (UL) SJTW 14AWG×2C (32cm) + SJTW 18AWG×2C (32cm)
Mechanical	Dimension/weight	252 (L) x 90 (W) x 43.8 (H) mm, Weight : 1880 gram

Model	Constant Voltage Mode			Constant Current		Eff.
	Volt	V-Adjust	Current	I-Adjust	Voltage	
LAA-320-12-XY	12V	10.8~13.5V	0~22A	11~22A	6~12V	90%
LAA-320-15-XY	15V	13.5~17V	0~19A	9.5~19A	7.5~15V	91%
LAA-320-20-XY	20V	17~22V	0~15A	7.5~15A	10~20V	92%
LAA-320-24-XY	24V	22~27V	0~13.3A	6.67~13.34A	12~24V	93%
LAA-320-30-XY	30V	27~33V	0~10.7A	5.35~10.7A	16~30V	93%
LAA-320-36-XY	36V	33~40V	0~8.9A	4.45~8.9A	18~36V	93%
LAA-320-42-XY	42V	38~46V	0~7.65A	3.8~7.65A	21~42V	94%
LAA-320-48-XY	48V	43~53V	0~6.7A	3.35~6.7A	24~48V	94%
LAA-320-54-XY	54V	49~58V	0~5.95A	2.97~5.95A	27~54V	94%

P/N Information:

LAA - 320 - V - XY - ○○○○○○ - □

320: Maximum output power (Watt)

V: Output voltage (Volt)

X: type of output wire, 0, A, B, C, D, S

0= IP67 rated;

A= IP65 rated (V-Adjustable and I-Adjustable);

B= IP67 rated and built-in 3 in 1 dimming;

C= IP65 rated (I-Adj. and built-in 3 in 1 dimming);

D= IP67 rated and Timer dimming;

S= IP67 rated and Smart Count Time dimming.

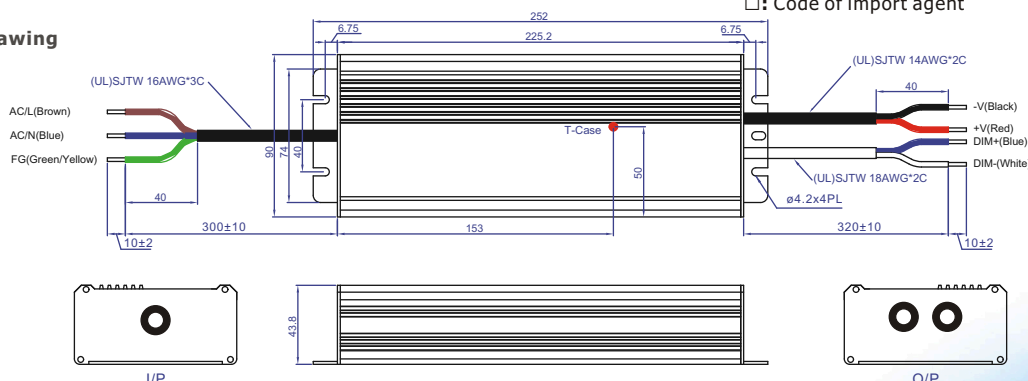
Y: Blank, 0-9, A-Z (market purpose, factory specified)

○○○○○: Output current (mA)

□: Code of import agent

LAA-320-V-B1

Dimensional Drawing



High Efficiency LED Power Supply

High Voltage Constant Current Mode Series

Features

- ▶ Universal AC input / Full range up to 305Vrms.
- ▶ Power Factor > 0.95 (@ max. load.)
- ▶ Efficiency up to 91%.
- ▶ THD<15% at max. load, I/P=230Vrms.
- ▶ Surge protection common/diff. 4/4KV.
- ▶ Meeting lighting safety standard: UL8750 & IEC 61347.
- ▶ IP65 / IP67 design for LED indoor or outdoor lighting applications.
- ▶ Constant Current Mode.
- ▶ Comply with EU ErP.
- ▶ Protections: Short circuit / Over current / Over voltage / Over temperature.
- ▶ Free air cooling.
- ▶ Dimming control (optional): 3 in 1 dimming (1~10Vdc, 10V PWM, Resistance), Timer, Smart Count Time, Time Programmable.
- ▶ Other optional function: DALI.
- ▶ free air cooling.
- ▶ 5 years warranty.

Specifications

Input	Voltage rating	100~277Vrms $\pm$ 10% (90~305Vrms)
	Power factor (Typ.)	PF > 0.96 at max. load, 115Vrms/230Vrms
	Inrush current (Typ.)	Cold start, 60A at 230Vrms
Environment	Operating temperature	- 25°C~+70°C (refer to output derating curve)
EMC & Safety	Withstand voltage	I/P-O/P: 3.75KVac, I/P-FG: 1.5KVac, O/P-FG: 0.5KVac
	Safety standards	UL8750, CSA C22.2 No.60950-1-07, IEC61347-1, IEC61347-2-13, independent IP65 or IP67, design refer to UL60950-1
	EMC standards	FCC part 15, EN55015, IEC61000-3-2 Class C, EN61000-3-2, -3-3, -4-2,3,4,5,6,8,11, EN61547, IEC55024, IEC 62493:2009

Maximum Output Power Output Current (CC Mode)	40W	75W	108W	120W	150W
350mA		√	√	√	√
700mA	√	√	√	√	√
1050mA		√	√	√	√

Model	LAH Series		LSH Series	
Cable/Wire	Input	(UL) SJTW 18AWGx3C (30cm)	(UL) AWM 1015 18AWG (30cm)	
	Output	Type 0, A, D, S: (UL) SJTW 18AWGx2C	Type 0, A, D, S: (UL) AWM 1015 18AWG(30cm)	
		Type B, C: (UL) SJTW 18AWGx2C (30cm)+ SJTW 18AWGx2C (30cm)	Type B, C: (UL) AWM 1015 18AWG + (UL) AWM 1015 20AWG (30cm)	
Dimension	40W	169 (L) x 63 (W) x 40(H)mm	169 (L) x 63 (W) x 39(H)mm	
	75W	169 (L) x 63 (W) x 40(H)mm	169 (L) x 63 (W) x 39(H)mm	
	108W	193.5 (L) x 63 (W) x 40(H)mm	193.5 (L) x 63 (W) x 39(H)mm	
	120W	217.6 (L) x 63 (W) x 40(H)mm	217.6 (L) x 63 (W) x 39(H)mm	
	150W	217.6 (L) x 63 (W) x 40(H)mm	217.6 (L) x 63 (W) x 39(H)mm	
Weight	40W	740gram	720gram	
	75W	740gram	720gram	
	108W	790gram	770gram	
	120W	960gram	940gram	
	150W	960gram	940gram	

40W High Efficiency LED Power Supply High Voltage Constant Current Mode Series

LAH-40 Series



LSH-40 Series



CB CE cULus FCC IP65/IP67

(Pending)

(Pending)(Pending)

Features

- ▶ Universal AC input / Full range up to 305Vrms.
- ▶ Power Factor > 0.96 (@ max. load.)
- ▶ Efficiency up to 90.5%.
- ▶ THD<15% at max. load, I/P=230Vrms.
- ▶ Surge protection common/diff. 4/4KV.
- ▶ Meeting lighting safety standard: UL8750 & IEC 61347.
- ▶ IP65 / IP67 design for LED indoor or outdoor lighting applications.
- ▶ Comply with EU ErP.
- ▶ Protections: Short circuit / Over current / Over voltage / Over temperature.
- ▶ Dimming control (optional):
3 in 1 dimming (1~10Vdc, 10V PWM, Resistance),
Timer, Smart Count Time, Time Programmable.
- ▶ Other optional function: DALI.
- ▶ Free air cooling.
- ▶ 5 years warranty.

Specifications

Input	Voltage rating	100~277Vrms ±10% (90~305Vrms)
	Power factor (Typ.)	PF > 0.96 at max. load, 115Vrms/230Vrms
	Inrush current (Typ.)	Cold start, 60A at 230Vrms
Environment	Operating temperature	- 25°C~+70°C (refer to output derating curve)
EMC & Safety	Withstand voltage	I/P-O/P: 3.75KVac, I/P-FG: 1.5KVac, O/P-FG: 0.5KVac
	Safety standards	UL8750, CSA C22.2 No.60950-1-07, IEC61347-1, IEC61347-2-13, independent IP65 or IP67, design refer to UL60950-1
	EMC standards	FCC part 15, EN55015, IEC61000-3-2 Class C, EN61000-3-2, -3-3, -4-2,3,4,5,6,8,11, EN61547, IEC55024, IEC62493:2009

Cable/Dimension/Weight

Model		LAH-40 Series	LSH-40 Series
Cable/Wire	Input	(UL) SJTW 18AWGx3C (30cm)	(UL) AWM 1015 18AWG (30cm)
	Output	Type 0, A, D, S: (UL) SJTW 18AWGx2C Type B, C: (UL) SJTW 18AWGx2C (30cm)+ SJTW 18AWGx2C (30cm)	Type 0, A, D, S: (UL) AWM 1015 18AWG(30cm) Type B, C: (UL) AWM 1015 18AWG+ (UL) AWM 1015 20AWG (30cm)
Dimension		169 (L) x 63 (W) x 40(H)mm	169 (L) x 63 (W) x 39(H)mm
Weight		740gram	720gram

Model Listing

Model	Rating output power	Constant Current Mode		Efficiency
		I-Adjust	Range of output voltage	
LAH-40-700-XY	40W	420~700mA	29~58V	90.5%

X: type of output wire, 0, A, B, C, D, S

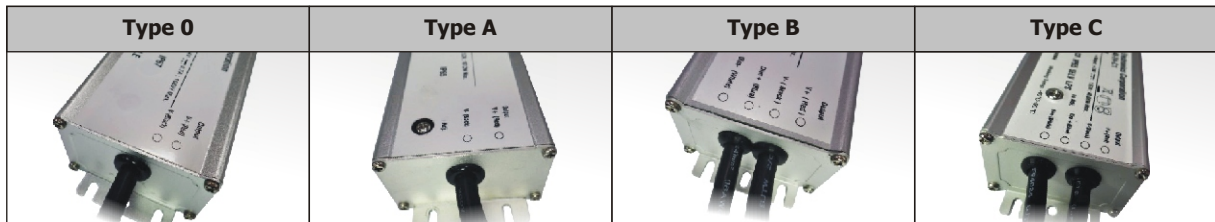
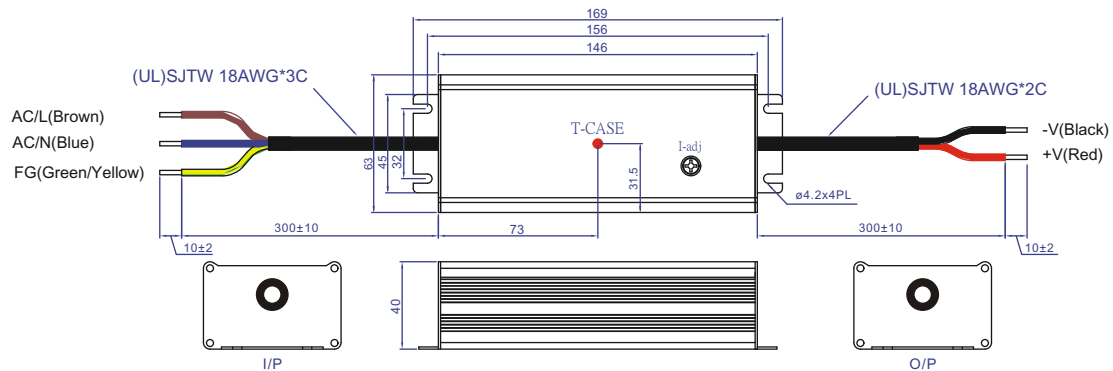
0= IP67 rated; A= IP65 rated (I-Adjustable);

B= IP67 rated and built-in 3 in 1 dimming; C=IP65 rated and 1~10V dimming;

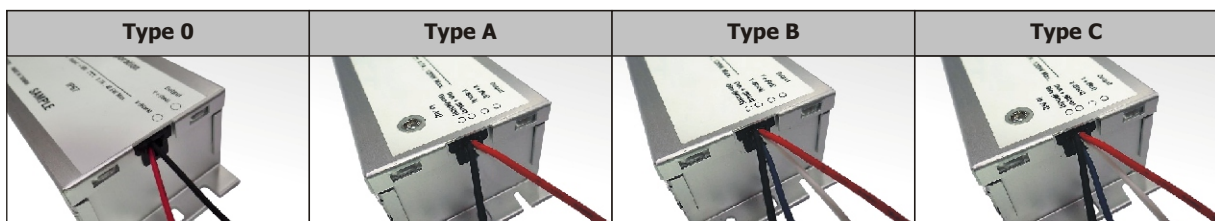
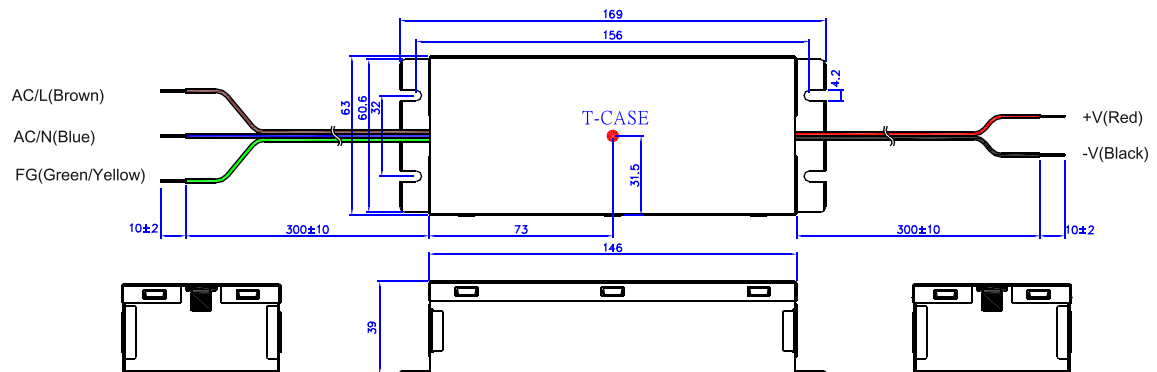
D= IP67 rated and Timer dimming; S= IP67 rated and Smart Count Time dimming.

Dimensional Drawing

LAH-40 Series



LSH-40 Series



75W High Efficiency LED Power Supply High Voltage Constant Current Mode Series

LAH-75 Series



LSH-75 Series



CB CE cULus FCC IP65/IP67

(Pending)

(Pending)(Pending)

Features

- ▶ Universal AC input / Full range up to 305Vrms.
- ▶ Power Factor > 0.96 (@ max. load.)
- ▶ Efficiency up to 91%.
- ▶ THD<15% at max. load, I/P=230Vrms.
- ▶ Surge protection common/diff. 4/4KV.
- ▶ Meeting lighting safety standard: UL8750 & IEC 61347.
- ▶ IP65 / IP67 design for LED indoor or outdoor lighting applications.
- ▶ Comply with EU ErP.
- ▶ Protections: Short circuit / Over current / Over voltage / Over temperature.
- ▶ Dimming control (optional):
3 in 1 dimming (1~10Vdc, 10V PWM, Resistance),
Timer, Smart Count Time, Time Programmable.
- ▶ Other optional function: DALI.
- ▶ Free air cooling.
- ▶ 5 years warranty.

Specifications

Input	Voltage rating	100~277Vrms ±10% (90~305Vrms)
	Power factor (Typ.)	PF > 0.96 at max. load, 115Vrms/230Vrms
	Inrush current (Typ.)	Cold start, 60A at 230Vrms
Environment	Operating temperature	- 25°C~+70°C (refer to output derating curve)
EMC & Safety	Withstand voltage	I/P-O/P: 3.75KVac, I/P-FG: 1.5KVac, O/P-FG: 0.5KVac
	Safety standards	UL8750, CSA C22.2 No.60950-1-07, IEC61347-1, IEC61347-2-13, independent IP65 or IP67, design refer to UL60950-1
	EMC standards	FCC part 15, EN55015, IEC61000-3-2 Class C, EN61000-3-2, -3-3, -4-2,3,4,5,6,8,11, EN61547, IEC55024, IEC62493:2009

Cable/Dimension/Weight

Model		LAH-75 Series	LSH-75 Series
Cable/Wire	Input	(UL) SJTW 18AWGx3C (30cm)	(UL) AWM 1015 18AWG (30cm)
	Output	Type 0, A, D, S: (UL) SJTW 18AWGx2C Type B, C: (UL) SJTW 18AWGx2C (30cm)+ SJTW 18AWGx2C (30cm)	Type 0, A, D, S: (UL) AWM 1015 18AWG(30cm) Type B, C: (UL) AWM 1015 18AWG+ (UL) AWM 1015 20AWG (30cm)
Dimension		169 (L) x 63 (W) x 40(H)mm	169 (L) x 63 (W) x 39(H)mm
Weight		740gram	720gram

Model Listing

Model	Rating output power	Constant Current Mode		Efficiency
		I-Adjust	Range of output voltage	
LAH-75-350-XY	75W	210~350mA	108~215V	91.0%
LAH-75-700-XY	75W	420~700mA	54~108V	91.0%
LAH-75-K05-XY	75W	630~1050mA	36~72V	91.0%

X: type of output wire, 0, A, B, C, D, S

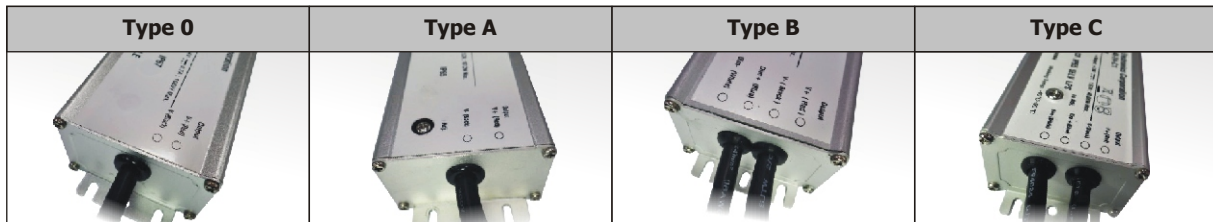
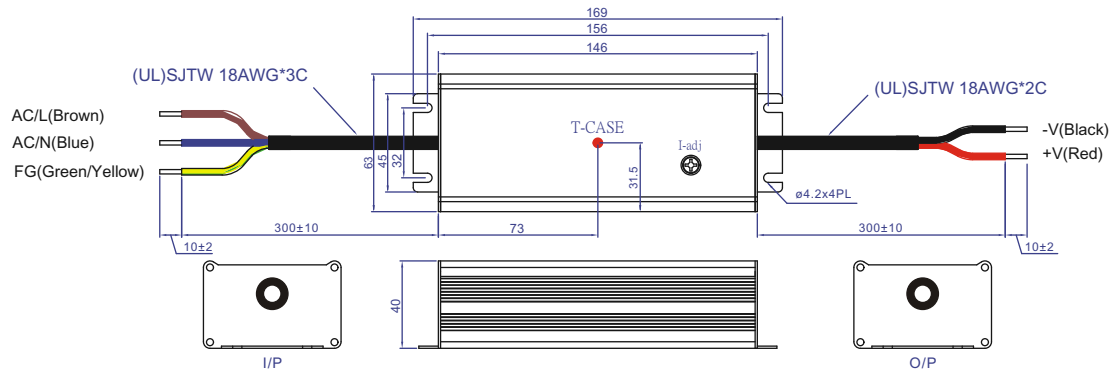
0= IP67 rated; A= IP65 rated (I-Adjustable);

B= IP67 rated and built-in 3 in 1 dimming; C=IP65 rated and 1~10V dimming;

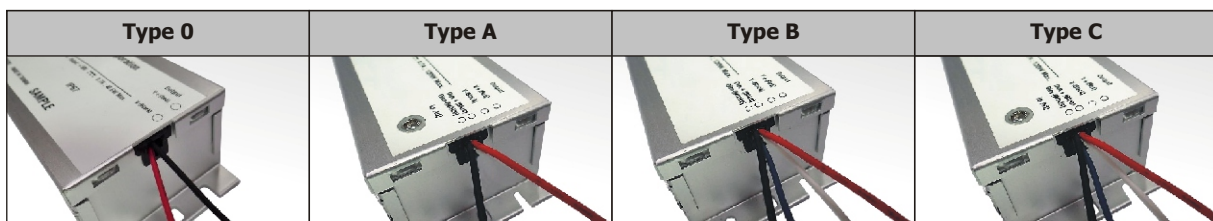
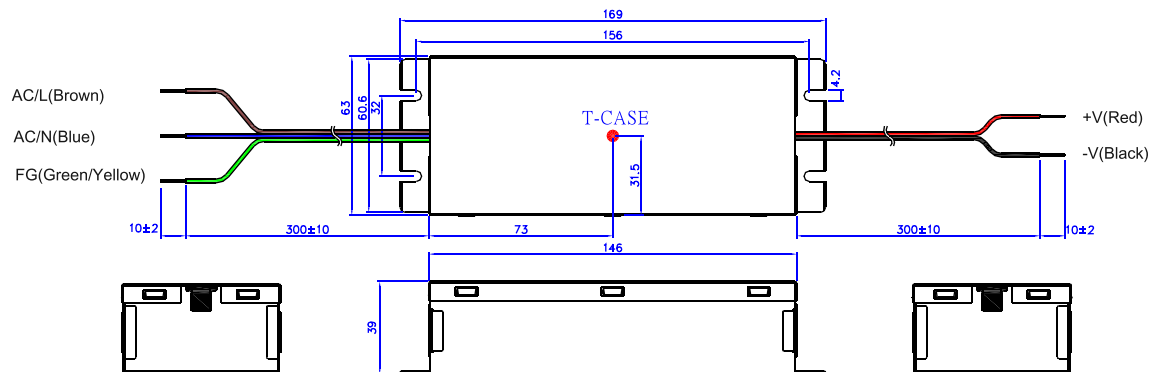
D= IP67 rated and Timer dimming; S= IP67 rated and Smart Count Time dimming.

Dimensional Drawing

LAH-75 Series



LSH-75 Series



108W High Efficiency LED Power Supply High Voltage Constant Current Mode Series

LAH-108 Series



LSH-108 Series



CB CE cULus FCC IP65/IP67

(Pending)

(Pending)(Pending)

Features

- ▶ Universal AC input / Full range up to 305Vrms.
- ▶ Power Factor > 0.96 (@ max. load.)
- ▶ Efficiency up to 92%.
- ▶ THD<15% at max. load, I/P=230Vrms.
- ▶ Surge protection common/diff. 4/4KV.
- ▶ Meeting lighting safety standard: UL8750 & IEC 61347.
- ▶ IP65 / IP67 design for LED indoor or outdoor lighting applications.
- ▶ Comply with EU ErP.
- ▶ Protections: Short circuit / Over current / Over voltage / Over temperature.
- ▶ Dimming control (optional):
3 in 1 dimming (1~10Vdc, 10V PWM, Resistance),
Timer, Smart Count Time, Time Programmable.
- ▶ Other optional function: DALI.
- ▶ Free air cooling.
- ▶ 5 years warranty.

Specifications

Input	Voltage rating	100~277Vrms ±10% (90~305Vrms)
	Power factor (Typ.)	PF > 0.96 at max. load, 115Vrms/230Vrms
	Inrush current (Typ.)	Cold start, 60A at 230Vrms
Environment	Operating temperature	- 25°C~+70°C (refer to output derating curve)
EMC & Safety	Withstand voltage	I/P-O/P: 3.75KVac, I/P-FG: 1.5KVac, O/P-FG: 0.5KVac
	Safety standards	UL8750, CSA C22.2 No.60950-1-07, IEC61347-1, IEC61347-2-13, independent IP65 or IP67, design refer to UL60950-1
	EMC standards	FCC part 15, EN55015, IEC61000-3-2 Class C, EN61000-3-2, -3-3, -4-2,3,4,5,6,8,11, EN61547, IEC55024, IEC62493:2009

Cable/Dimension/Weight

Model		LAH-108 Series	LSH-108 Series
Cable/Wire	Input	(UL) SJTW 18AWGx3C (30cm)	(UL) AWM 1015 18AWG (30cm)
	Output	Type 0, A, D, S: (UL) SJTW 18AWGx2C Type B, C: (UL) SJTW 18AWGx2C (30cm)+ SJTW 18AWGx2C (30cm)	Type 0, A, D, S: (UL) AWM 1015 18AWG(30cm) Type B, C: (UL) AWM 1015 18AWG+ (UL) AWM 1015 20AWG (30cm)
Dimension		193.5 (L) x 63 (W) x 40(H)mm	193 (L) x 63 (W) x 39(H)mm
Weight		790gram	770gram

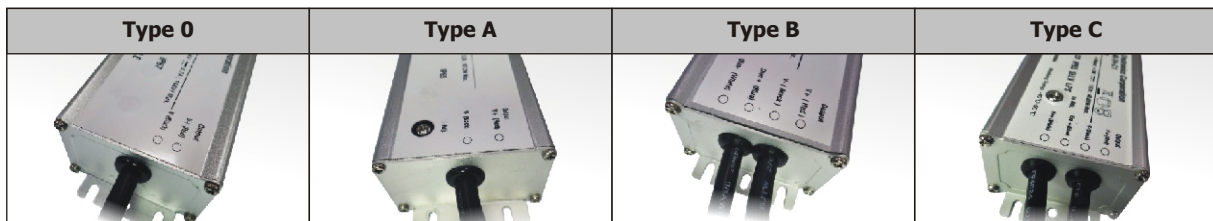
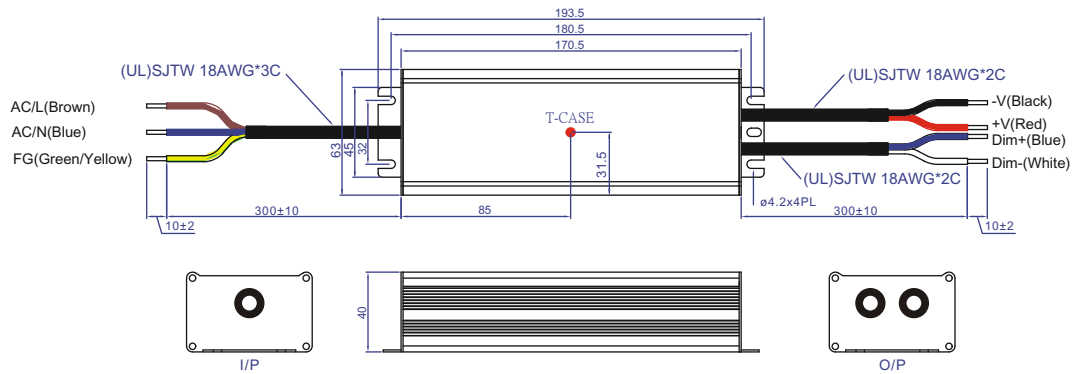
Model Listing

Model	Rating output power	Constant Current Mode		Efficiency
		I-Adjust	Range of output voltage	
LAH-108-350-XY	108W	175~350mA	162~308V	92.0%
LAH-108-700-XY	108W	350~700mA	81~154V	92.0%
LAH-108-K05-XY	108W	525~1050mA	54~103V	92.0%

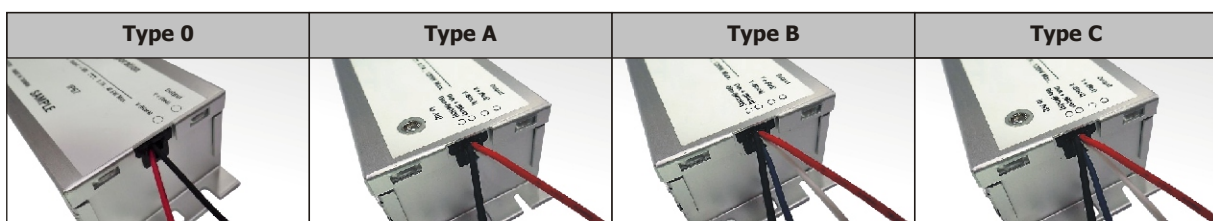
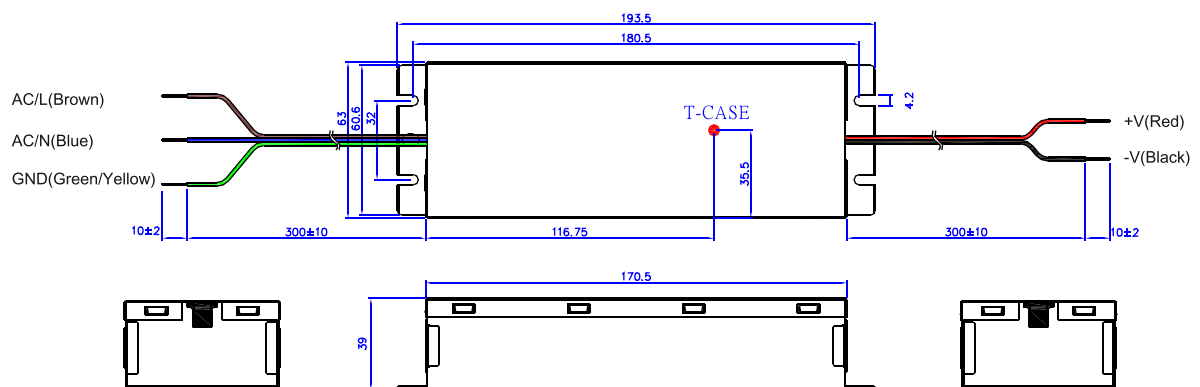
X: type of output wire, 0, A, B, C, D, S
 0= IP67 rated; A= IP65 rated (I-Adjustable);
 B= IP67 rated and built-in 3 in 1 dimming; C=IP65 rated and 1~10V dimming;
 D= IP67 rated and Timer dimming; S= IP67 rated and Smart Count Time dimming.

Dimensional Drawing

LAH-108 Series



LSH-108 Series



120W High Efficiency LED Power Supply High Voltage Constant Current Mode Series

LAH-120 Series



LSH-120 Series



(Pending)

(Pending)(Pending)

Features

- ▶ Universal AC input / Full range up to 305Vrms.
- ▶ Power Factor > 0.96 (@ max. load.)
- ▶ Efficiency up to 92%.
- ▶ THD<15% at max. load, I/P=230Vrms.
- ▶ Surge protection common/diff. 4/4KV.
- ▶ Meeting lighting safety standard: UL8750 & IEC 61347.
- ▶ IP65 / IP67 design for LED indoor or outdoor lighting applications.
- ▶ Comply with EU ErP.
- ▶ Protections: Short circuit / Over current / Over voltage / Over temperature.
- ▶ Dimming control (optional):
3 in 1 dimming (1~10Vdc, 10V PWM, Resistance),
Timer, Smart Count Time, Time Programmable.
- ▶ Other optional function: DALI.
- ▶ Free air cooling.
- ▶ 5 years warranty.

Specifications

Input	Voltage rating	100~277Vrms ±10% (90~305Vrms)
	Power factor (Typ.)	PF > 0.96 at max. load, 115Vrms/230Vrms
	Inrush current (Typ.)	Cold start, 60A at 230Vrms
Environment	Operating temperature	- 25°C~+70°C (refer to output derating curve)
EMC & Safety	Withstand voltage	I/P-O/P: 3.75KVac, I/P-FG: 1.5KVac, O/P-FG: 0.5KVac
	Safety standards	UL8750, CSA C22.2 No.60950-1-07, IEC61347-1, IEC61347-2-13, independent IP65 or IP67, design refer to UL60950-1
	EMC standards	FCC part 15, EN55015, IEC61000-3-2 Class C, EN61000-3-2, -3-3, -4-2,3,4,5,6,8,11, EN61547, IEC55024, IEC62493:2009

Cable/Dimension/Weight

Model		LAH-120 Series	LSH-120 Series
Cable/Wire	Input	(UL) SJTW 16AWGx3C (30cm)	(UL) AWM 1015 18AWG (30cm)
	Output	Type 0, A, D, S: (UL) SJTW 16AWGx2C Type B, C: (UL) SJTW 16AWGx2C (30cm)+ SJTW 18AWGx2C (30cm)	Type 0, A, D, S: (UL) AWM 1015 18AWG(30cm) Type B, C: (UL) AWM 1015 18AWG+ (UL) AWM 1015 20AWG (30cm)
Dimension		217.6 (L) x 63 (W) x 40(H)mm	217.6 (L) x 63 (W) x 39(H)mm
Weight		960gram	940gram

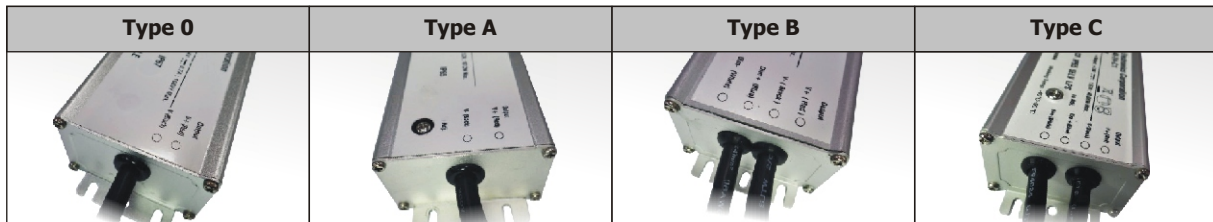
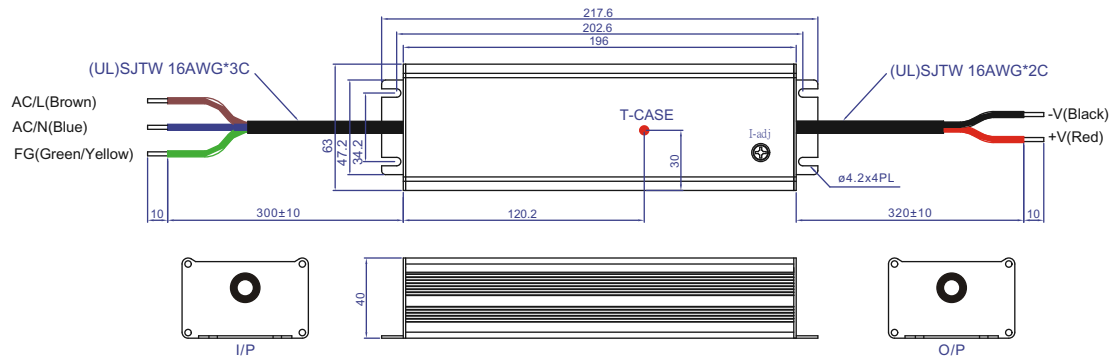
Model Listing

Model	Rating output power	Constant Current Mode		Efficiency
		I-Adjust	Range of output voltage	
LAH-120-350-XY	120W	175~350mA	170~340V	91.0%
LAH-120-700-XY	120W	350~700mA	60~170V	92.0%
LAH-120-K05-XY	120W	525~1050mA	60~115V	92.0%

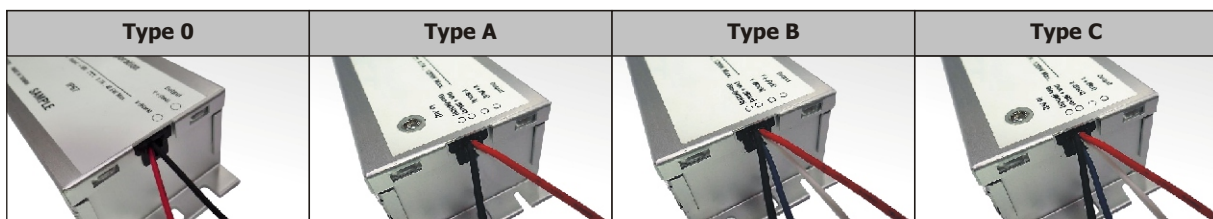
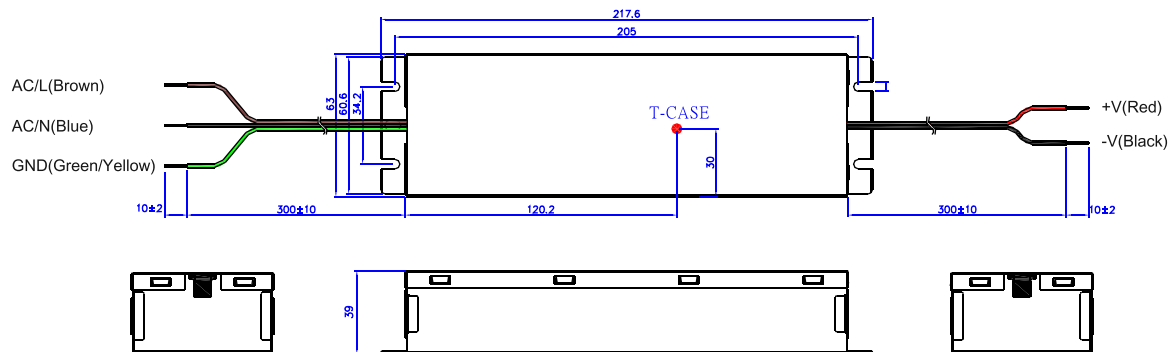
X: type of output wire, 0, A, B, C, D, S
 0= IP67 rated; A= IP65 rated (I-Adjustable);
 B= IP67 rated and built-in 3 in 1 dimming; C=IP65 rated and 1~10V dimming;
 D= IP67 rated and Timer dimming; S= IP67 rated and Smart Count Time dimming.

Dimensional Drawing

LAH-120 Series



LSH-120 Series



150W High Efficiency LED Power Supply High Voltage Constant Current Mode Series

LAH-150 Series



LSH-150 Series



(Pending)

(Pending)(Pending)

Features

- ▶ Universal AC input / Full range up to 305Vrms.
- ▶ Power Factor > 0.96 (@ max. load.)
- ▶ Efficiency up to 92%.
- ▶ THD<15% at max. load, I/P=230Vrms.
- ▶ Surge protection common/diff. 4/4KV.
- ▶ Meeting lighting safety standard: UL8750 & IEC 61347.
- ▶ IP65 / IP67 design for LED indoor or outdoor lighting applications.
- ▶ Comply with EU ErP.
- ▶ Protections: Short circuit / Over current / Over voltage / Over temperature.
- ▶ Dimming control (optional):
3 in 1 dimming (1~10Vdc, 10V PWM, Resistance),
Timer, Smart Count Time, Time Programmable.
- ▶ Other optional function: DALI.
- ▶ Free air cooling.
- ▶ 5 years warranty.

Specifications

Input	Voltage rating	100~277Vrms ±10% (90~305Vrms)
	Power factor (Typ.)	PF > 0.96 at max. load, 115Vrms/230Vrms
	Inrush current (Typ.)	Cold start, 60A at 230Vrms
Environment	Operating temperature	- 25°C~+70°C (refer to output derating curve)
EMC & Safety	Withstand voltage	I/P-O/P: 3.75KVac, I/P-FG: 1.5KVac, O/P-FG: 0.5KVac
	Safety standards	UL8750, CSA C22.2 No.60950-1-07, IEC61347-1, IEC61347-2-13, independent IP65 or IP67, design refer to UL60950-1
	EMC standards	FCC part 15, EN55015, IEC61000-3-2 Class C, EN61000-3-2, -3-3, -4-2,3,4,5,6,8,11, EN61547, IEC55024, IEC62493:2009

Cable/Dimension/Weight

Model		LAH-150 Series	LSH-150 Series
Cable/Wire	Input	(UL) SJTW 16AWGx3C (30cm)	(UL) AWM 1015 18AWG (30cm)
	Output	Type 0, A, D, S: (UL) SJTW 16AWGx2C Type B, C: (UL) SJTW 16AWGx2C (30cm)+ SJTW 18AWGx2C (30cm)	Type 0, A, D, S: (UL) AWM 1015 18AWG(30cm) Type B, C: (UL) AWM 1015 18AWG+ (UL) AWM 1015 20AWG (30cm)
Dimension		217.6 (L) x 63 (W) x 40(H)mm	217.6 (L) x 63 (W) x 40(H)mm
Weight		960gram	940gram

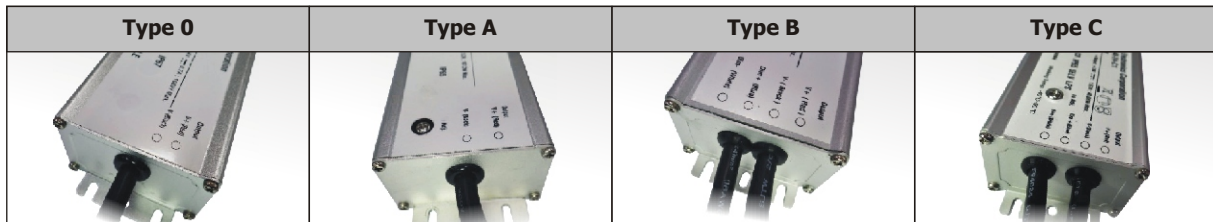
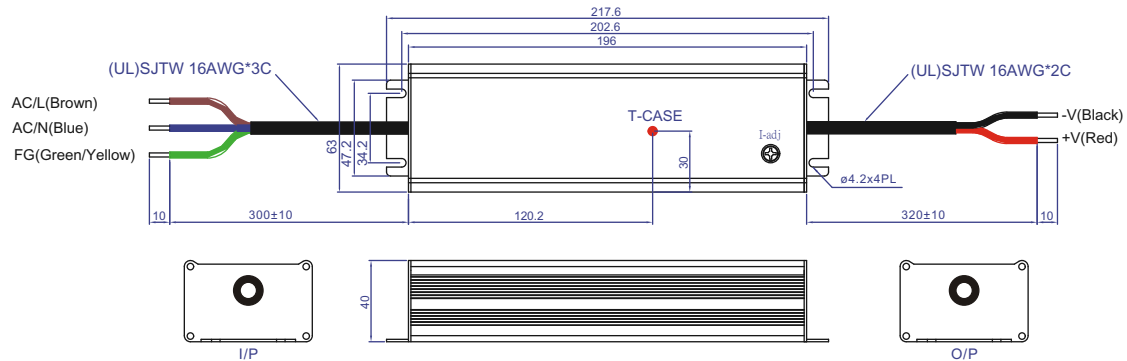
Model Listing

Model	Rating output power	Constant Current Mode		Efficiency
		I-Adjust	Range of output voltage	
LAH-150-350-XY	150W	175~350mA	170~430V	92.0%
LAH-150-700-XY	150W	350~700mA	60~210V	92.0%
LAH-150-K05-XY	150W	525~1050mA	74~148V	92.0%

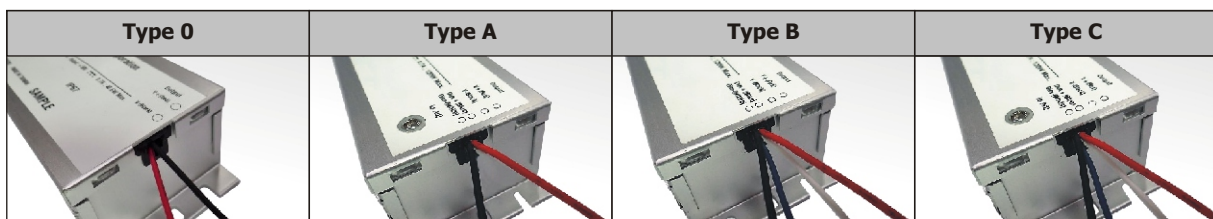
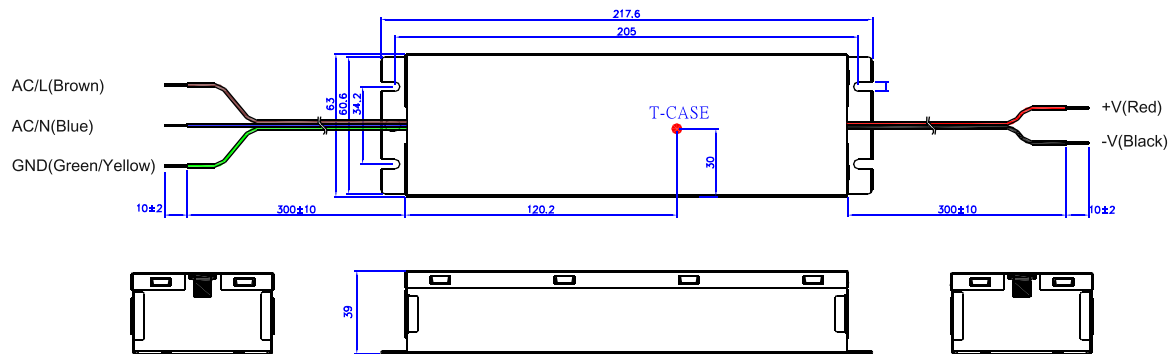
X: type of output wire, 0, A, B, C, D, S
 0= IP67 rated; A= IP65 rated (I-Adjustable);
 B= IP67 rated and built-in 3 in 1 dimming; C=IP65 rated and 1~10V dimming;
 D= IP67 rated and Timer dimming; S= IP67 rated and Smart Count Time dimming.

Dimensional Drawing

LAH-150 Series



LSH-150 Series



56W/70W/75W/100W LRA Series LED Power Supply

Features

- ▶ Universal AC input / Full range up to 305Vrms.
- ▶ Power Factor > 0.95 (@ max. load.)
- ▶ Efficiency up to 90%.
- ▶ THD<15% at max. load, I/P=230Vrms.
- ▶ Surge protection common/diff. 4/4KV.
- ▶ Meeting lighting safety standard: UL8750 & IEC 61347.
- ▶ IP66 design for LED indoor or outdoor lighting applications.
- ▶ Protections: Short circuit / Over current / Over voltage / Over temperature.
- ▶ Free air cooling.



- ▶ Dimming control (optional): 3 in 1 dimming (1~10Vdc, 10V PWM, Resistance), Timer, Smart Count Time, Time Programmable.
- ▶ Other optional function: DALI.
- ▶ 5 years warranty.

CE IP66

Specifications

Input	Voltage rating	100~277Vrms $\pm 10\%$ (90~305Vrms)
	Power factor (Typ.)	PF > 0.95 at max. load, 115Vrms/230Vrms
	Inrush current (Typ.)	Cold start, 40A at 230Vrms
Environment	Operating	- 30°C~+50°C @ambient temperature (Tambient)
EMC & Safety	Withstand voltage	I/P-O/P: 3.75KVac, I/P-FG: 1.5KVac, O/P-FG: 0.5KVac
	Safety standards	EN61347-1, EN61347-2-13
	EMC standards	FCC Part 15B, EN 55022 Class B regulation, CNS 14115 at max. load, 230 Vac, EN55015 at max. load, 230Vac, EN61000-3-2 class C, EN61000-4-5 Level 4 (L-N : 4KV, L-PE : 4KV, N-PE : 4KV)
Cable	Input wire	IEC57(YZW) H05VV-F 1.0mm ² ×3C (70cm)
	Output wire	UL 1015 18AWG (20cm)
Mechanical	Dimension	244 (L) x 60.5 (W) x 44.5 (H) mm

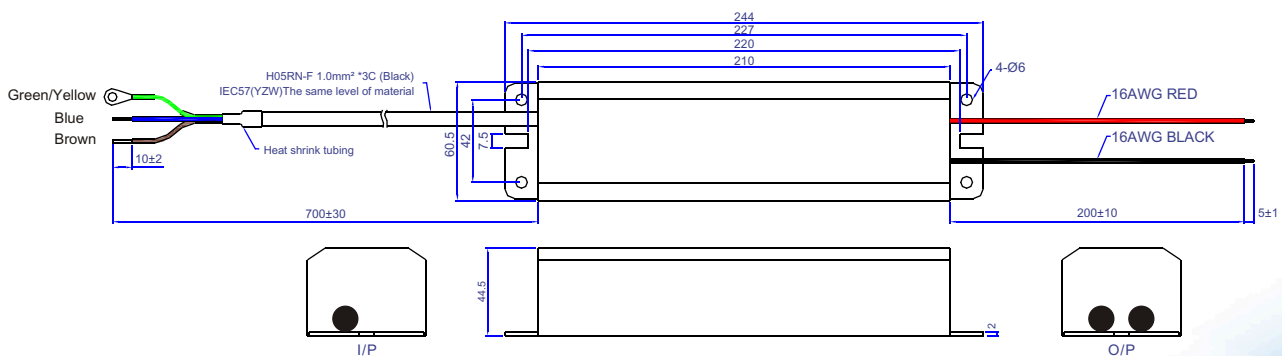
Model Listing

Model No.	Max. output power	Output
LRA-56-80-DEFG	56W	60~80V, 0.7A
LRA-70-100-DEFG	70W	70~100V, 0.7A
LRA-75-107-DEFG	75W	70~107V, 0.7A
LRA-100-140-DEFG	100W	100~140V, 0.7A

DE: AA-ZZ or 00-99 (customer code)

FG: AA-ZZ or 00-99 (product number)

Dimensional Drawing



48W PC-SD38 Series LED Lighting Power Supply

Features

- ▶ Universal AC input / Full range up to 305Vrms.
- ▶ Power Factor > 0.95 (@ max. load.)
- ▶ Efficiency up to 88%.
- ▶ THD<15% at max. load, I/P=230Vrms.
- ▶ Surge protection diff. 4.5KV.
- ▶ Meeting lighting safety standard: UL8750 & IEC 61347.
- ▶ IP67 design for LED indoor or outdoor lighting applications (optional).
- ▶ Protections: Short circuit / Over current / Over voltage / Over temperature.
- ▶ Dimming control (optional): 3 in 1 dimming (1~10Vdc, 10V PWM, Resistance), Timer, Smart Count Time, Time Programmable.



- ▶ Other optional function: DALI, ZigBee.
- ▶ Free air cooling.
- ▶ Class II power.
- ▶ UL Class 2 power.
- ▶ 2 years warranty.

CB CE cULus SELV IP67

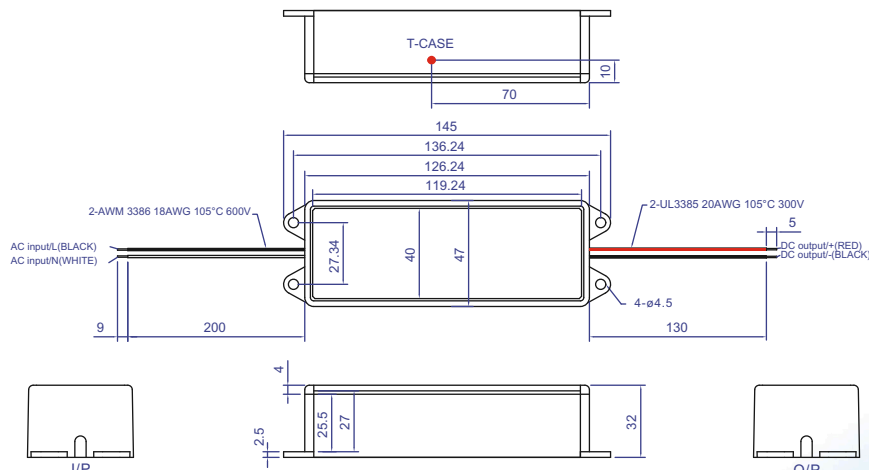
Specifications

Input	Voltage rating	100~277Vrms ±10% (90~305Vrms)
	Power factor (Typ.)	PF > 0.95 at max. load, 115Vrms/230Vrms
	Inrush current (Typ.)	Cold start, 20A max. at 110Vac/40A max. at 230Vac
Environment	Operating temperature	- 30°C~+50°C @ambient temperature (Tambient)
EMC & Safety	Withstand voltage	I/P-O/P: 3.75KVac/1min @less than 10mA leakage
	Safety standards	UL8750, CSA C22.2 No. 60950-1-07, IEC61347-1, IEC61347-2-13, IP67; design refer to UL60950-1
	EMC standards	Compliance to EN55015, EN61000-3-2 Class C, EN61000-3-3, EN61000-4-2,3,4,5,6,8,11, EN61547
Cable	Input wire	(UL) 3386 AWM1015 18AWG (20cm)
	Output wire	(UL) 3385 AWM1015 20AWG (13cm)
Mechanical	Dimension/weight	145 (L) x 47 (W) x 32 (H) mm

Model Listing

Class 2 Power				Non- Class 2 Power			
Model No.	Max. output power	Output	Efficiency	Model No.	Max. output power	Output	Efficiency
PC-SD38-1XYDZ	29.7W	6.3~9V/3.3A	80%	PC-SD38-7XYDZ	48W	25.2~36V/1.33A	86%
PC-SD38-2XYDZ	40W	8.4~12V/3.3A	80%	PC-SD38-8XYDZ	48W	28.9~42V/1.14A	88%
PC-SD38-3XYDZ	40W	10.5~15V/2.67A	84%	PC-SD38-AXYDZ	48W	33.0~48V/1A	88%
PC-SD38-4XYDZ	48W	14.0~20V/2.4A	85%	PC-SD38-BXYDZ	48W	37.5~54V/0.88A	88%
PC-SD38-5XYDZ	48W	16.8~24V/2A	85%	XY: Blank, aa-zz or AA-ZZ DZ: Blank, 00-99, aa-zz or AA-ZZ (market purpose, factory specified)			
PC-SD38-6XYDZ	48W	18.9~24V/2A	85%				
PC-SD38-6XYZ	48W	18.9~27V/1.78A	85%				

Dimensional Drawing



40W LJA-40 Series High Efficiency LED Power Supply

Features

- ▶ Universal AC input / Full range up to 305Vrms.
- ▶ Power Factor > 0.95 (@ max. Load.)
- ▶ Efficiency up to 90%.
- ▶ THD<15% at max. load, I/P=230Vrms.
- ▶ Surge protection diff. 4KV.
- ▶ Meeting lighting safety standard: UL8750 & IEC 61347.
- ▶ IP67 design for LED indoor or outdoor lighting applications.
- ▶ Protections: Short circuit / Over current / Over voltage / Over temperature.
- ▶ Dimming control (optional): 3 in 1 dimming (1~10Vdc, 10V PWM, Resistance), Timer, Smart Count Time, Time Programmable.
- ▶ Class 2 power unit, pass LPS.
- ▶ Isolation class II, no F.G.
- ▶ Free air cooling.
- ▶ 3 years warranty.



CB CE cULus FC LPS SELV IP67

Specifications

Input	Voltage rating	100~277Vrms ±10% (90~305Vrms)
	Power factor (Typ.)	PF > 0.95 at max. load, 115Vrms/230Vrms
	Inrush current (Typ.)	Cold start, 50A at 230Vrms
Environment	Operating temperature	- 40°C~+70°C (refer to output derating curve)
EMC & Safety	Withstand voltage	I/P-O/P: 3.75KVac
	Safety standards	UL8750, IEC61347-1, IEC61347-2-13
	EMC standards	EN55015, IEC61000-3-2 Class C, EN61000-3-3, -4-2,3,4,5,6,8,11, EN61547
Cable	Input wire	(UL) SJTW 18AWG×2C (30cm)
	Output wire	Type 0, D & S: (UL) SJTW 18AWG×2C (30cm) Type B: AWM VW-1 18AWG×4C (30cm)
Mechanical	Dimension/weight	162.5 (L) x 43 (W) x 32 (H) mm, Weight : 450 gram

Model No.	Max. output power	Rated Voltage	V-Adjust	Rated Current	Efficiency
LJA-40-12-XY	40.1W	12V	7.2~12V	3.34A	84%
LJA-40-15-XY	40.1W	15V	9~15V	2.67A	85%
LJA-40-20-XY	40W	20V	12~20V	2A	86%
LJA-40-24-XY	40.1W	24V	14.4~24V	1.67A	87%
LJA-40-30-XY	40.2W	30V	18~30V	1.34A	88%
LJA-40-36-XY	40.3W	36V	21.6~36V	1.12A	88%
LJA-40-42-XY	40.3W	42V	25.2~42V	0.96A	88.5%
LJA-40-48-XY	40.3W	48V	28.8~48V	0.84A	90%
LJA-40-54-XY	40.1W	54V	32.4~54V	0.76A	90%

P/N Information:

LJA - 40 - V - X Y - 00000 - □

40: Maximum output power (Watt)

V: Output voltage (Volt)

X: type of output wire, 0, B, D, S

0= IP67 rated;

B= IP67 rated and built-in 3 in 1 dimming;

D= IP67 rated and Timer dimming;

S= IP67 rated and Smart Count Time dimming.

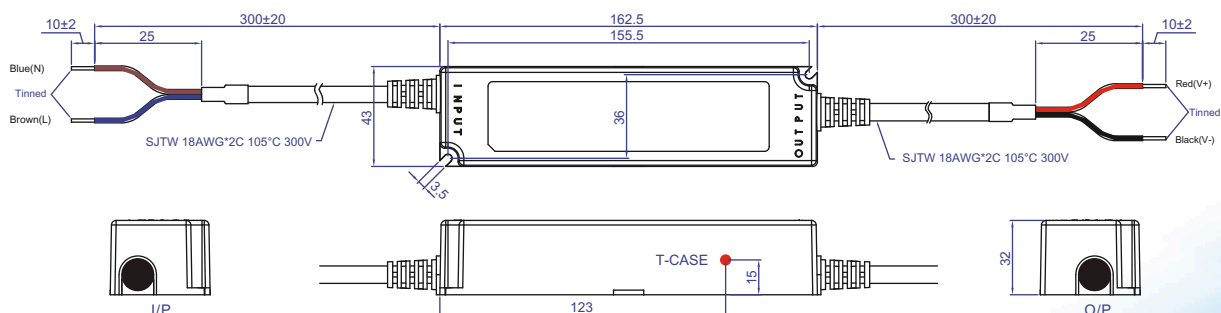
Y: Blank, 0-9, A-Z (market purpose, factory specified)

00000: Output current (mA)

□: Code of import agent

LJA-40-V-A1

Dimensional Drawing



60W LJA-60 Series High Efficiency LED Power Supply

Features

- ▶ Universal AC input / Full range up to 305Vrms.
- ▶ Power Factor > 0.95 (@ max. load.)
- ▶ Efficiency up to 90%.
- ▶ THD<15% at max. load, I/P=230Vrms.
- ▶ Surge protection diff. 4KV.
- ▶ Meeting lighting safety standard: UL8750 & IEC 61347.
- ▶ IP67 design for LED indoor or outdoor lighting applications.
- ▶ Protections: Short circuit / Over current / Over voltage / Over temperature.
- ▶ Free air cooling.
- ▶ Class 2 power unit, pass LPS.
- ▶ Isolation class II, no F.G.



- ▶ Dimming control (optional): 3 in 1 dimming (1~10Vdc, 10V PWM, Resistance), Timer, Smart Count Time, Time Programmable.
- ▶ 3 years warranty.

CB CE cULus FC LPS SELV IP67

Specifications

Input	Voltage rating	100~277Vrms $\pm 10\%$ (90~305Vrms)
	Power factor (Typ.)	PF > 0.95 at max. load, 115Vrms/230Vrms
	Inrush current (Typ.)	Cold start, 55A at 230Vrms
Environment	Operating temperature	-40°C~+70°C (refer to output derating curve)
EMC & Safety	Withstand voltage	I/P-O/P: 3.75kVac
	Safety standards	UL8750, IEC61347-1, IEC61347-2-13
	EMC standards	EN55015, IEC61000-3-2 Class C, EN61000-3-3, -4-2,3,4,5,6,8,11, EN61547
Cable	Input wire	(UL) SJTW 18AWG $\times$ 2C (30cm)
	Output wire	Type 0, D & S: (UL) SJTW 18AWG $\times$ 2C (30cm) Type B: AWM VW-1 18AWG $\times$ 4C (30cm)
Mechanical	Dimension/weight	162.5 (L) x 43 (W) x 32 (H) mm, Weight : 450 gram

Model No.	Max. output power	Rated Voltage	V-Adjust	Rated Current	Efficiency
LJA-60-12-XY	60W	12V	7.2~12V	5A	86%
LJA-60-15-XY	60W	15V	9~15V	4A	87%
LJA-60-20-XY	60W	20V	12~20V	3A	88%
LJA-60-24-XY	60W	24V	14.4~24V	2.5A	89%
LJA-60-30-XY	60W	30V	18~30V	2A	89%
LJA-60-36-XY	60.1W	36V	21.6~36V	1.67A	89%
LJA-60-42-XY	60.1W	42V	25.2~42V	1.43A	89%
LJA-60-48-XY	60W	48V	28.8~48V	1.25A	90%
LJA-60-54-XY	60.5W	54V	32.4~54V	1.12A	90%

P/N Information:

LJA - 60 - V - X Y - ○ ○ ○ ○ - □

60: Maximum output power (Watt)

V: Output voltage (Volt)

X: type of output wire, 0, B, D, S

0= IP67 rated;

B= IP67 rated and built-in 3 in 1 dimming;

D= IP67 rated and Timer dimming;

S= IP67 rated and Smart Count Time dimming.

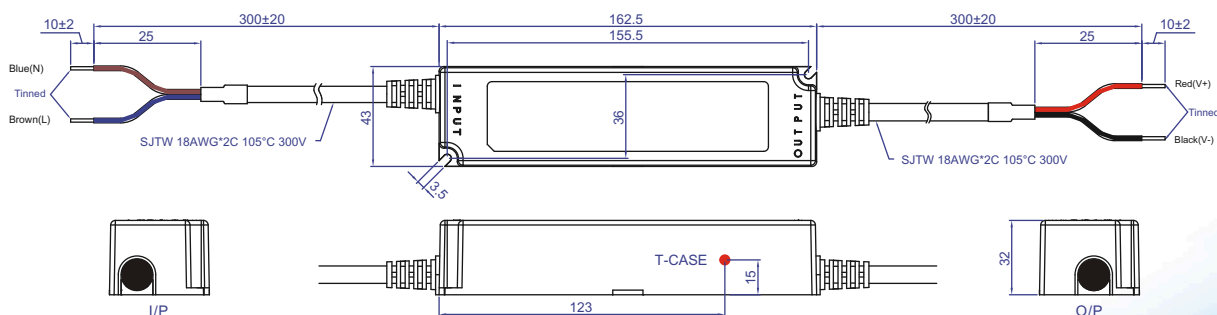
Y: Blank, 0-9, A-Z (market purpose, factory specified)

○ ○ ○ ○: Output current (mA)

□: Code of import agent

LJA-60-V-A1

Dimensional Drawing



90W LJA-90 Series High Efficiency LED Power Supply

Features

- ▶ Universal AC input / Full range up to 305Vrms.
- ▶ Power Factor > 0.96 (@ max. Load.)
- ▶ Efficiency up to 90.5%.
- ▶ THD<20% at max. load, I/P=230Vrms.
- ▶ Surge protection diff. 4KV.
- ▶ Meeting lighting safety standard: UL8750 & IEC 61347.
- ▶ IP67 design for LED indoor or outdoor lighting applications.
- ▶ Protections: Short circuit / Over current / Over voltage / Over temperature.
- ▶ Dimming control (optional): 3 in 1 dimming (1~10Vdc, 10V PWM, Resistance), Timer, Smart Count Time, Time Programmable.
- ▶ Other optional function: DALI, ZigBee.
- ▶ Isolation class II, no F.G.
- ▶ Class 2 power unit, pass LPS.
- ▶ Free air cooling.
- ▶ 3 years warranty.



CB CE cULus FC LPS SELV IP67

Specifications

Input	Voltage rating	100~277Vrms ±10% (90~305Vrms)
	Power factor (Typ.)	PF > 0.96 at max. load, 115Vrms/230Vrms
	Inrush current (Typ.)	Cold start, 70A at 230Vrms
Environment	Operating temperature	- 40°C~+70°C (refer to output derating curve)
EMC & Safety	Withstand voltage	I/P-O/P: 3.75KVac, I/P-FG: 1.5KVac, O/P-FG: 0.5KVac
	Safety standards	UL8750, IEC61347-1, IEC61347-2-13
	EMC standards	EN55015, IEC61000-3-2 Class C, EN61000-3-3, -4-2,3,4,5,6,8,11, EN61547
Cable	Input wire	(UL) SJTW 18AWG×2C (30cm)
	Output wire	Type 0, D & S: (UL) SJTW 18AWG×2C (30cm) Type B: AWM VW-1 18AWG×4C (30cm)
Mechanical	Dimension/weight	161 (L) x 61 (W) x 36 (H) mm, Weight : 650 gram

Model No.	Max. output power	Rated Voltage	V-Adjust	Rated Current	Efficiency
LJA-90-12-XY	60W	12V	7.2~12V	5A	87.5%
LJA-90-15-XY	75W	15V	9~15V	5A	89%
LJA-90-20-XY	90W	20V	12~20V	4.5A	89.5%
LJA-90-24-XY	90W	24V	14.4~24V	3.75A	90%
LJA-90-30-XY	90W	30V	18~30V	3A	90.5%
LJA-90-36-XY	90W	36V	21.6~36V	2.5A	90.5%
LJA-90-42-XY	90.3W	42V	25.2~42V	2.15A	90.5%
LJA-90-48-XY	90.24W	48V	28.8~48V	1.88A	90.5%
LJA-90-54-XY	90.18W	54V	32.4~54V	1.67A	90.5%

P/N Information:

LJA - 90 - V - X Y - ○ ○ ○ ○ - □

90: Maximum output power (Watt)

V: Output voltage (Volt)

X: type of output wire, 0, B, D, S

0= IP67 rated;

B= IP67 rated and built-in 3 in 1 dimming;

D= IP67 rated and Timer dimming;

S= IP67 rated and Smart Count Time dimming.

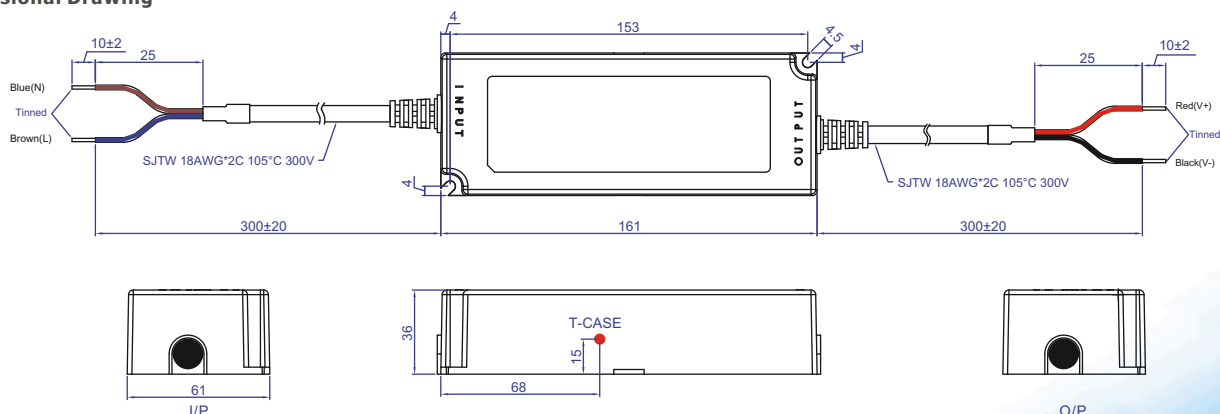
Y: Blank, 0-9, A-Z (market purpose, factory specified)

○ ○ ○ ○: Output current (mA)

□: Code of import agent

LJA-90-V-A1

Dimensional Drawing



Surge Protection Device 10KV PC-SD30-4 Series

Features

- Standards: Long lifetime, robust protection against moisture, vibration and temperature extremes.
- Universal AC input / Full range up to 305Vrms.
- Resistant to peaks and surges of up to 5KA / 10KV.
- Full encapsulated with IP 67 Level.
- Suitable for class I and Class II luminaries.

Applications

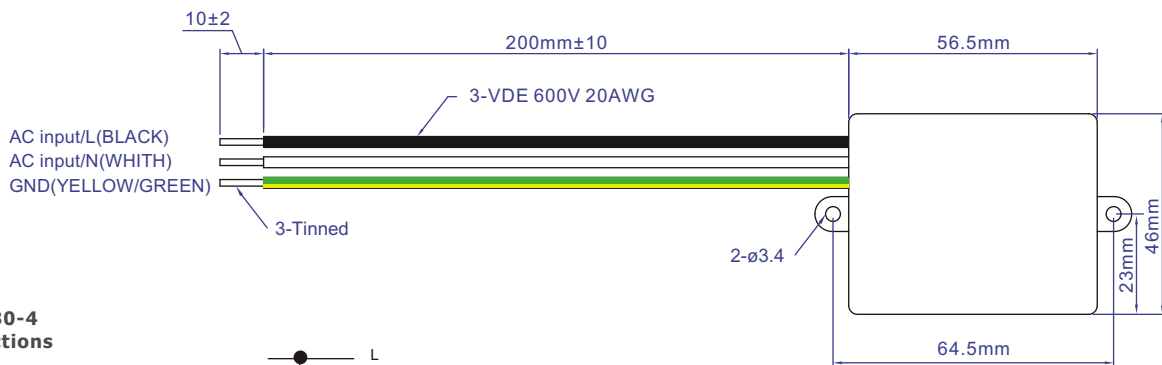
- Tunnels
- Highways
- Rural roads
- Parking lots
- Area lighting



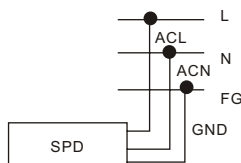
Specifications

Operating voltage	277VAC 50/60Hz
MCOV (max. continuous operating voltage)	320Vrms
UC (max. continuous operating voltage)	320Vrms
VPR (voltage protection rating)	560VDC(L-N) ; 3470VAC(L-FG, N-FG)
UP (voltage protection rating)	560VDC(L-N) ; 3470VAC(L-PE, N-PE)
IN (nominal discharge current)	5KA
Max. surge voltage(2/50us)	10KV
Max. surge current(8/20us)	5KA
Response time	<25ns
Withstand	1600VAC 1minutes
Operating temperature	- 40°C~+70°C
Safety standards	Refer to UL1449 3rd edition (Type 2 component assemblies), EN61643-11
Dimension	85x35.5x27mm *Tolerance±0.4mm
Packing	106 gram

PC-SD30-4
Dimensional Drawing



PC-SD30-4
Connections



Surge Protection Device 30KV PC-SD30-5 Series

Features

- ▶ Standards: Long lifetime, robust protection against moisture, vibration and temperature extremes.
- ▶ Universal AC input / Full range up to 305Vrms.
- ▶ Resistant to peaks and surges of up to 15KA / 30KV.
- ▶ Full encapsulated with IP 67 Level.
- ▶ Suitable for class I and Class II luminaries.

Applications

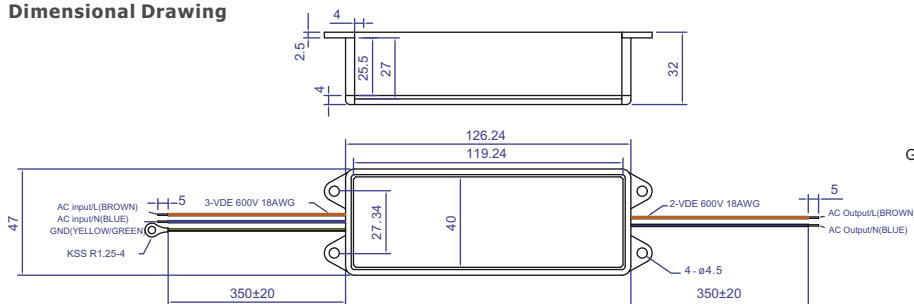
- ▶ Tunnels
- ▶ Parking lots
- ▶ Highways
- ▶ Area lighting
- ▶ Rural roads



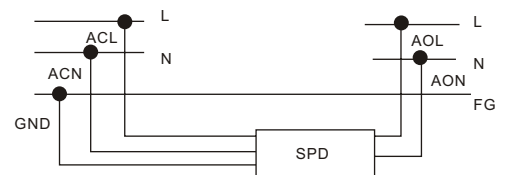
Specifications

Operating voltage	277VAC 50/60Hz
MCOV (max. continuous operating voltage)	320Vrms
UC (max. continuous operating voltage)	320Vrms
VPR (voltage protection rating)	560VDC(L-N) ; 3470VAC(L-FG, N-FG)
UP (voltage protection rating)	560VDC(L-N) ; 3470VAC(L-PE, N-PE)
IN (nominal discharge current)	5KA
Max. surge voltage(2/50us)	30KV
Max. surge current(8/20us)	15KA
Response time	<25ns
Withstand	1600VAC 1minutes
Operating temperature	- 40°C~+70°C
Safety standards	Refer to UL1449 3rd edition (Type 2 component assemblies), EN61643-11
Dimension	145x40x32mm *Tolerance±0.4mm
Packing	300 gram

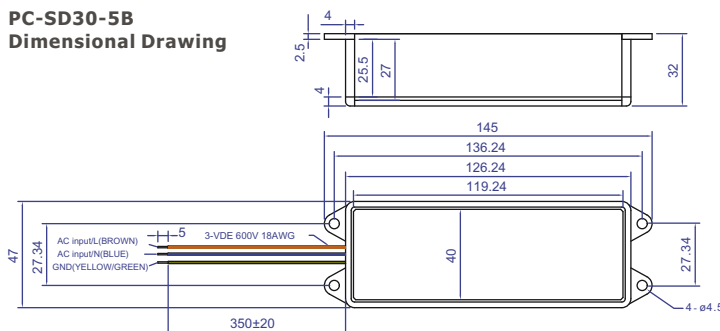
PC-SD30-5A
Dimensional Drawing



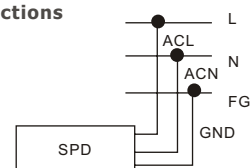
PC-SD30-5A
Connections



PC-SD30-5B
Dimensional Drawing



PC-SD30-5B
Connections



DC-DC PC-SD34/35/45/55/64/65 Series LED Lighting Power Supply

Features

- ▶ DC input: 12Vdc or 24Vdc
- ▶ Protections:
Short circuit / Over current / Over voltage
- ▶ Cooling by free air convection
- ▶ IP54 design for indoor LED lighting application
- ▶ IP66 design for outdoor LED lighting application
- ▶ Optional dimming function: 1~10Vdc, 10V PWM, Resistance, Smart Count Time, Time Phase, Time Programmable, DALI, ZigBee
- ▶ Operation temperature: -30°C~+50°C.
- ▶ MTBF: 100,000 hours min.
- ▶ 2 years warranty for PC-SD64/ PC-SD65 series
- ▶ 3 years warranty for PC-SD34/ PC-SD35/ PC-SD45/ PC-SD55 series



SD34/SD35/SD45/SD55



SD64



SD65

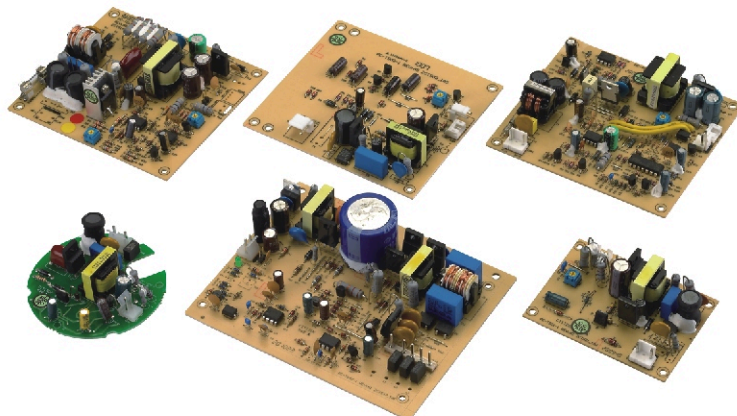
Model No.	Max. output power	I/P	O/P	Efficiency (at max. load)	Dimension L*W*H (mm)
PC-SD34-1□	52.8W	10.0~14.0Vdc	15~22V / 1~2.4A	92%	209.5*60*43
PC-SD35-2□	56W	20~30Vdc	10~14V / 2.5~4A	90%	209.5*60*43
PC-SD35-1□	70W	20~30Vdc	17~20V / 2.5~3.5A	92%	209.5*60*43
PC-SD35-3□	70W	20~30Vdc	17~20V / 2.5~3.5A	91%	209.5*60*43
PC-SD45-2□	60W	10.5~15Vdc	17~22V / 2.5~3.5A	82%	209.5*60*43
PC-SD45-3□	60W	22~28Vdc	20~26V / 2.3~3A	86%	209.5*60*43
PC-SD45-1□	106.4W	20~28Vdc	24~28V / 3~3.8A	86%	209.5*60*43
PC-SD55-1□	96W	20~30Vdc	17~20V / 2.5~4.8A	91%	209.5*60*43
PC-SD64-1A	15W	10~15Vdc	30~35V / 0.45A	88%	72.2*46*27
PC-SD64-3A	15W	21~29Vdc	30~36V / 0.45A	88%	72.2*46*27
PC-SD64-2A	30W	10~15Vdc	21~25V / 1.2A	88%	72.2*46*27
PC-SD65-2□	30W	10~15Vdc	21~25V / 1.2A	88%	145*47*30
PC-SD65-1B	32.4W	10~14.5Vdc	15~18V / 1.8A	88%	145*47*30
PC-SD65-1A	37.5W	10~14.5Vdc	15~18V / 2.1A	88%	145*47*30

□: Blank, 0-9, a-z or A-Z (Market purpose)

LED Traffic Signal Lamps Power Supply

Features

- ▶ I/P Voltage range: 18-50 Vac or 80-135 Vac or 180-265 Vac
- ▶ Open Frame
- ▶ Built-in constant current limiting circuit
- ▶ Adjustable output voltage and current level
- ▶ Protection: SCP/OVP/OC
- ▶ Built-in active PFC function, PF>0.92
- ▶ Operation temperature: -40 ~ +74° C
- ▶ High reliability: MTBF 100,000 hours min.
- ▶ 2 years warranty



Optional Functions

- ▶ Low input voltage cut off
- ▶ Input voltage dimming
- ▶ Fail-state
- ▶ Hold-up time > 0.5 sec.
- ▶ Signal conflict monitor compatibility (10Vrms)

Compliance

- ▶ FCC Part 15.107 CLASS A
- ▶ FCC Part 15.109 CLASS A
- ▶ Surge: IEC 61000-4-5
- ▶ NEMA TS-2 in section 2.1.6 and 2.1.8, 2003
- ▶ EN50293 (I/P Voltage range: 18-50 Vac and 180-265 Vac)
- ▶ Meet U.S. ITE standard (Institute of Transportation Engineers)

Model No.	Input Power (Vac/Hz)	Output Voltage/Current (Vdc/Amps)	Output Power(W)	PF	Dimension L*W*H (mm)
PC-TS34-1	80~135Vac/53~63Hz	6~9Vdc/0.15~0.8A	4.5~8W	PF>0.92, THD<20%	110*100*28
PC-TS15-1	180~265Vac/47~63Hz	15~19Vdc/0.15~0.45A	8.55W	PF>0.92, THD<20%	110*100*24
PC-TS05-1	80~135Vac/53~63Hz	12~24Vdc/0.15~0.4A	9.6W	PF>0.92, THD<20%	110*100*28
PC-TS21-1	80~135Vac/53~63Hz	12~24Vdc/0.15~0.4A	5.1~10W	PF>0.92, THD<20%	82*60*20.5
PC-TS01-1	18~50Vac/45~55Hz	14~20Vdc/0.25~0.6A	12W	PF>0.95, THD<20%	110*100*28
PC-TS01-2	18~50Vac/45~55Hz	14~20Vdc/0.25~0.6A	12W	PF>0.95, THD<20%	110*100*28
PC-TS16-1	180~265Vac/47~63Hz	15~19Vdc/0.45~0.8A	15.2W	PF>0.92, THD<20%	110*100*25
PC-TS20-2	80~135Vac/53~63Hz	9~15Vdc/0.45~1.05A	5.1~16W	PF>0.92, THD<20%	82*60*20.5
PC-TS27-1	80~135Vac/53~63Hz	12~24Vdc/0.15~0.4A	17.6W	PF>0.92, THD<20%	110*100*28
PC-TS14-1	80~135Vac/53~63Hz	11.5~17Vdc/0.45~1.05A	18W	PF>0.92, THD<20%	110*100*28
PC-15-22-ZR01/02	80~135Vac/53~63Hz	10~22Vdc/0.3~0.7A	15.4W	PF>0.92, THD<20%	82*60*26

Communication Power Supply

Features

- ▶ Universal AC or DC input
- ▶ Open frame or modular or rack
- ▶ 1~4 output : 44~2020W
- ▶ Redundancy & hot swap for IP10-1
- ▶ Power factor: >0.95 for IP14-1,2&BS05-1
- ▶ Protection: SCP/OVP/OCV
- ▶ High reliability: MTBF 100,000 hours min.

Design to Meet

- ▶ Safety: UL60950-1, cUL, CE.
- ▶ EMI: EN55015, EN55022 class B, FCC Part 15B
- ▶ EMS: EN61000, EN55024



Model No.	Input Power (Vac/Hz)	Output Voltage/Current (Vdc/Amps)	Output Power(W)	Dimension L*W*H (mm)
PC-IP11-1	100~240Vac/47~63Hz	+3.3Vdc/2A 2. 5Vdc/1.5A -30Vdc/1A -80V/-90Vdc/0.35A	44.1W	250*87*32
PC-IP05-0	90~264Vac/47~63Hz	Vo1=+3.3Vdc/10A Vo2=+5Vdc/2.5A	45.5W	155*81.2*36.6
PC-IP06-2	100~240Vac/47~63Hz	+3.3Vdc/10A +5Vdc/2A +12Vdc/1.6A -12Vdc/1.6A	81.4W	180*95*32
PC-IP14-1	100~240Vac/47~63Hz	12V/10A	120W	220*50*40
PC-IP14-2	100~240Vac/47~63Hz	48V/2.5A	120W	220*50*38
PC-BS05-1	200~240Vac/47~63Hz	27.3V/74A	2020W	320*140*120
PC-IP06-3	-36Vdc~-72Vdc	+3.3Vdc/10A +5Vdc/2A +12Vdc/1.6A -12Vdc/1.6A	81.4W	180*95*34
PC-IP10-1	-40Vdc~-60Vdc	5Vdc/20A 3.3Vdc/75A 12Vdc/9A -12Vdc/9A	563.5W	434.8*158*355

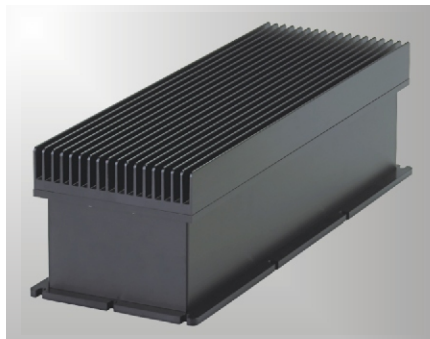
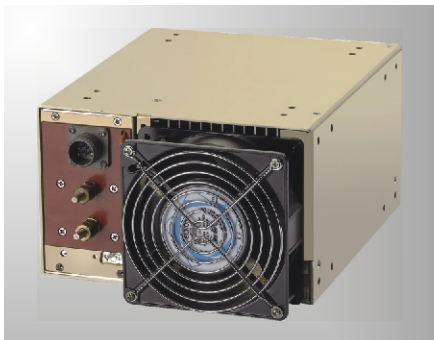
Military Power Supply

Features

- ▶ AC input: 220Vac or 120/208Vac, 3 ψ , 3W+G
- ▶ Parallel function for XX05,XX06,XX07 (Redundancy)
- ▶ High temperature and humidity environment
- ▶ Protection: SCP/OVP/OCP/OTP
- ▶ Voltage sense line
- ▶ High reliability: MTBF 100,000 hours min.

Compliance

- ▶ MIL-STD-810E MIL-Standard approved
- ▶ MIL-STD-461C (CE03, RE02, RS03, CS06) MIL-Standard approved



Military Power Supply

Model No.	Input Power (Vac/Hz)	Output Voltage/Current (Vdc/Amps)	Output Power(W)	Dimension L*W*H (mm)
PC-XX07-0	120VAC±10% 1Φ, 60±5HZ	5V/2.5~25A 75V/0.05~0.5A	162.5W	426.52*125*127
PC-XX30-1	300Vdc (+20%-15%)	32Vdc/14A or 50Vdc/11A	550W	400*145*120
PC-XX06-0	120/208Vac±10%, 3phase, 60±5Hz	50Vdc/14A	700W	280*203*127
PC-XX30-2	300Vdc (+20%-15%)	30Vdc/20A or 24Vdc/30A or 28Vdc/4.3A	720W	400*145*120
PC-XX05-0	120/208Vac±10%, 3phase, 60±5Hz	5Vdc/220A	1100W	335*203*127
PC-XX16-0	110Vac±10%, 1phase, 60±5Hz	28Vdc/20A 25.5Vdc/15A 13.6Vdc/30A*2	1758W	482*540*80
PC-XX16-B	110Vac±10%, 1phase, 60±5Hz	29Vdc/69A	2000W	482*540*89
PC-XX27-2	18~36Vdc	28Vdc/67.85A -28Vdc/14.2A	2300W	250*350*361
PC-XX28-A	180~264Vac, 3phase, 57~63Hz	28Vdc/52A 13.5Vdc/90A	2671W	482*500*266
PC-XX13-0	208Vac±10%, 3phase, 47~440Hz	42Vdc/4.16A*16 24Vdc/12.5A 12Vdc/12.5A*2 -12Vdc/6.25A 5Vdc/20A -5Vdc/10A	3620.5W	466*466*466
PC-XX18-C	220Vac±10%, 3phase, 47~63Hz (two individual I/P for Utility and Generator)	300Vdc/50A	15000W	482*266*640

Industrial Power Supply

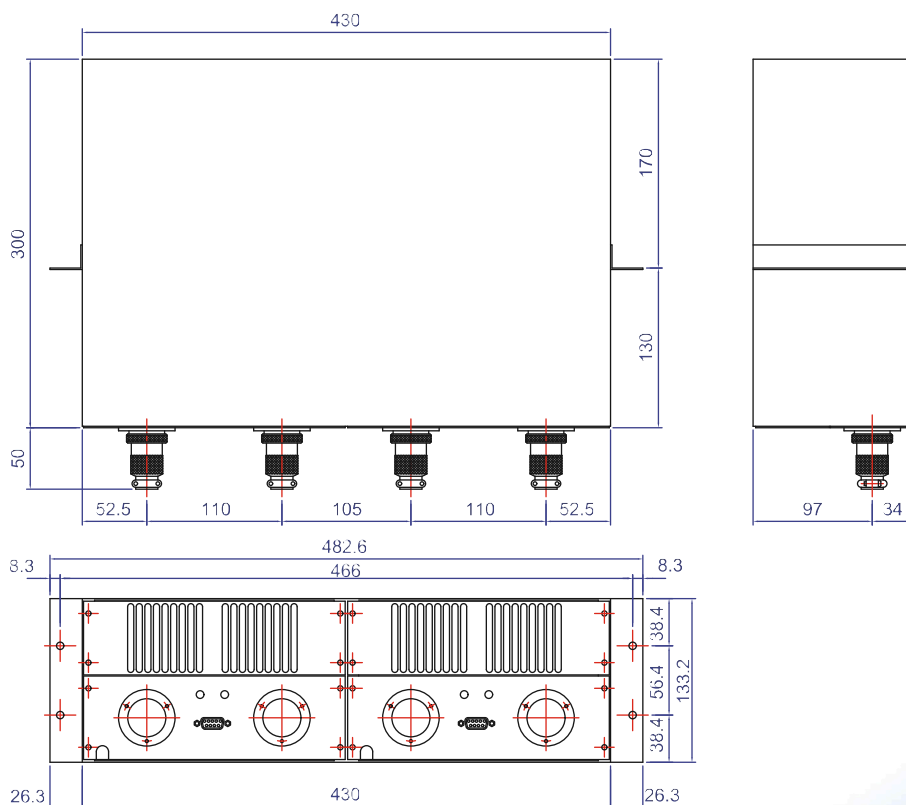
Features

- ▶ I/P Voltage range: 80-135Vac or 180-265Vac; 90-110Vdc
- ▶ Leakage current < 10 mA
- ▶ With power good and fail signal output
- ▶ Fixed switching frequency at 100KHz
- ▶ Redundant: Two units of same type can be operated in parallel into a redundant system
- ▶ Protection: SCP/OVP/OCP/OTP
- ▶ 2 years warranty



Model No.	Input Power (Vac/Hz)	Output Voltage/Current (Vdc/Amps)	Output Power(W)	Dimension L*W*H (mm)
PC-FP01	90~132Vac/47~63Hz	24Vdc/0~30A	720W+720W	482.6*300*133.2
PC-FP01A	185~260Vac/47~63Hz	24Vdc/0~30A	720W+720W	482.6*300*133.2
PC-FP04	90~132Vac or 185~260Vac/47~63Hz	24Vdc/0~35A	840W+840W	482.6*300*133.2
PC-FP03	90~132Vac/47~63Hz	24Vdc/0~42A	1000W+1000W	482.6*300*133.2
PC-FP04-3C	90~264Vac/47~63Hz	24Vdc/0~35A	840W+840W	482.6*300*133.2

Model No.	Input Power (Vdc)	Output Voltage/Current (Vdc/Amps)	Output Power(W)	Dimension L*W*H (mm)
PC-FP06	90~110Vdc	24Vdc/0~21A	500W+500W	482.6*300*133.2



Communication Power Supply ◀



Industrial Power Supply ◀



Military Power Supply ◀



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Power-Con Electronics Corporation

To Power Connecting Electronic Contrivance With The Innovative Energy Saving Products



Power-Con Electronics Corp.

■ 52, Lane 334, Sec. 3, Min-Chuan Rd., Chung-Li Dist., Taoyuan City 320, Taiwan

TEL: +886-3-427-5854 FAX: +886-3-427-5898

www.power-con.com.tw

■ Japan Office

〒143-0016 東京都大田区大森北1-12-6

TEL: +81-3-3762-9470

FAX: +81-3-5493-9501

■ US Office

102 Gorge Ct., Cary, NC 27511, U.S.A.

TEL: +1-919-3627566

FAX: +1-919-3627459

