

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

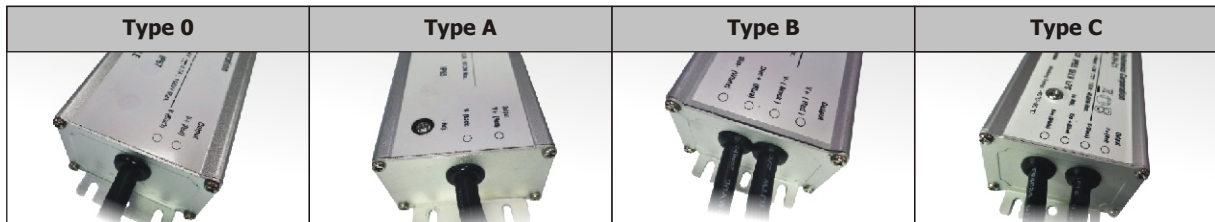
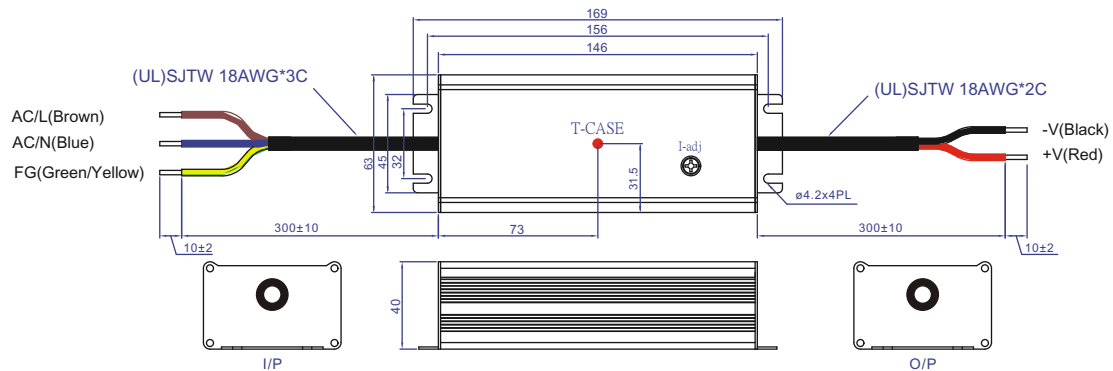
0= IP67 rated; A= IP65 rated (I-Adjustable);

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

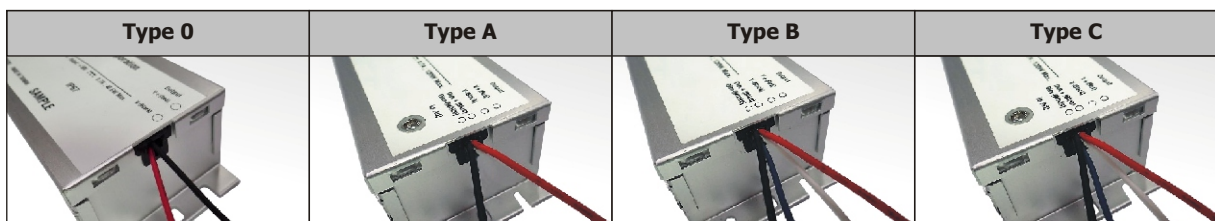
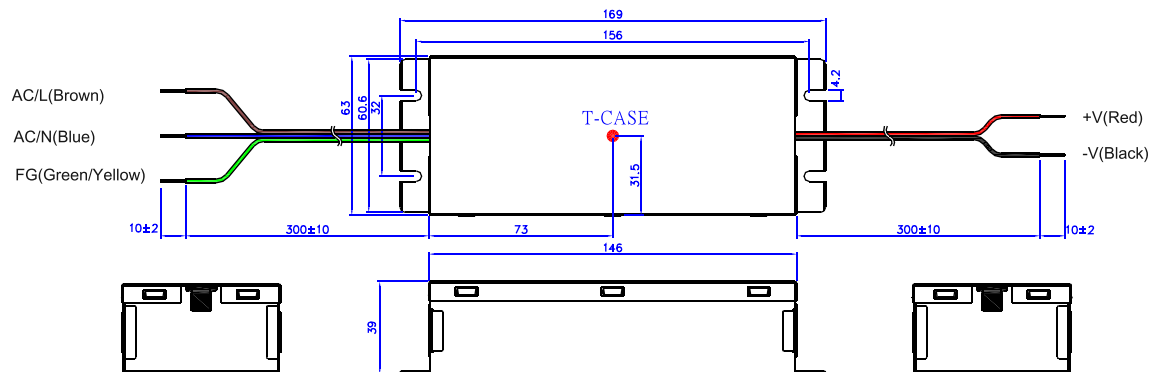
D= IP67 rated and Timer dimming; S= IP67 rated and Smart Count Time dimming.

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

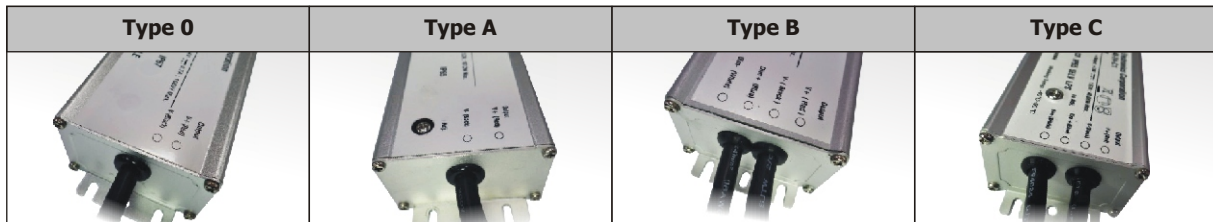
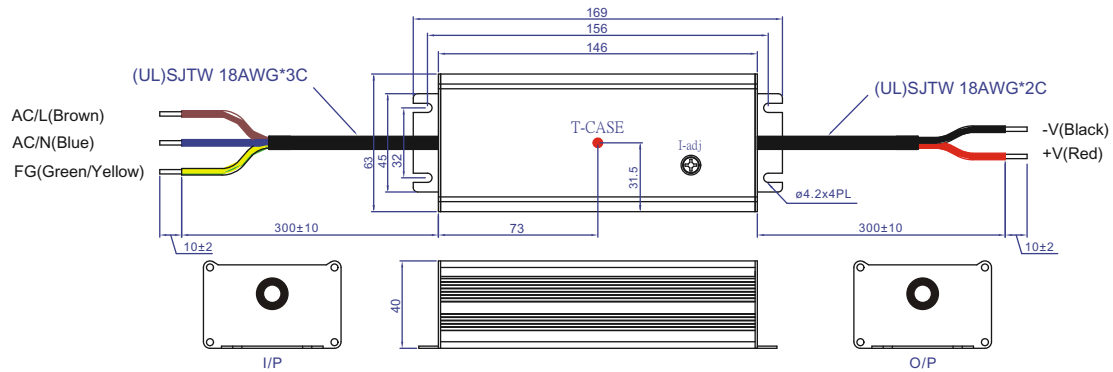
Model Listing

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%

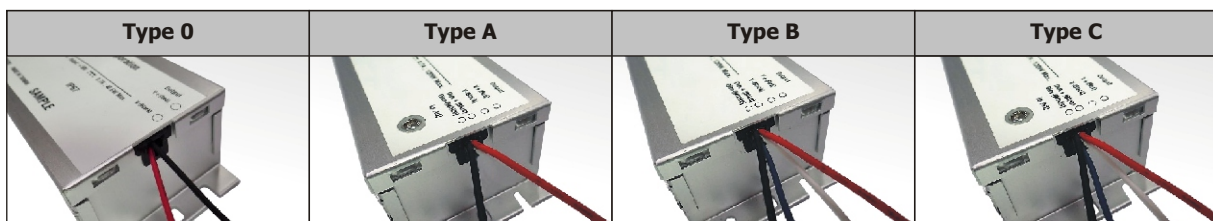
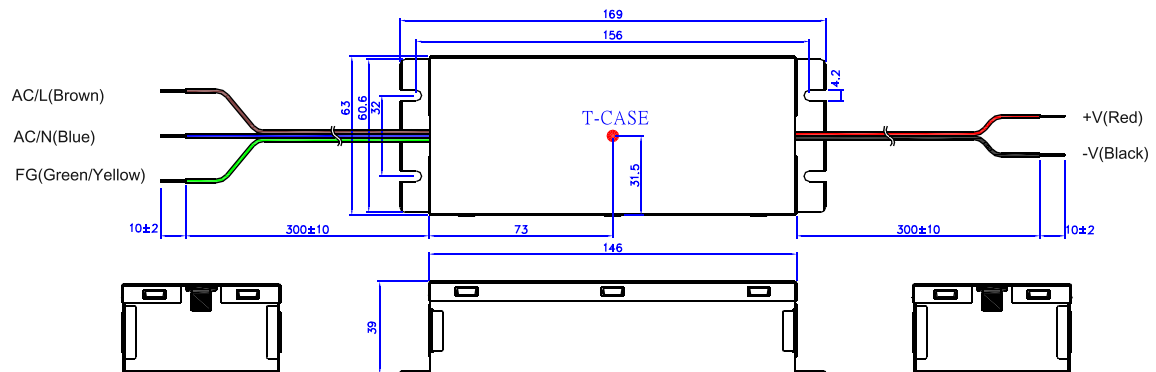
X: type of output wire, 0, A, B, C, D, S
 0= IP67 rated; A= IP65 rated (I-Adjustable);
 B= IP67 rated and built-in 3 in 1 dimming; C=IP65 rated and 1~10V dimming;
 D= IP67 rated and Timer dimming; S= IP67 rated and Smart Count Time dimming.

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



(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

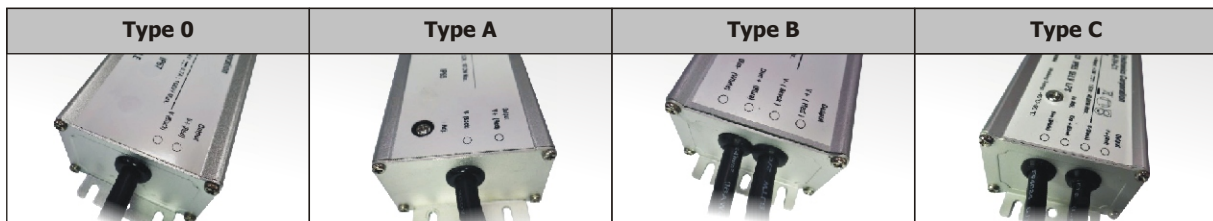
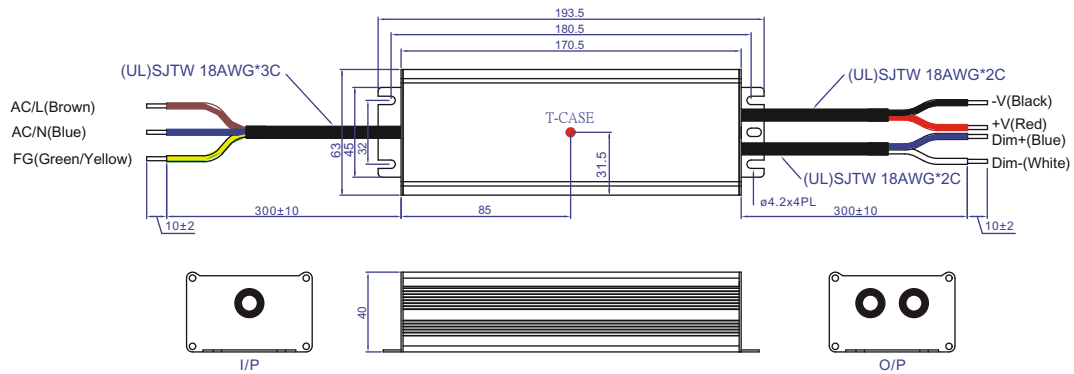
Model Listing

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%

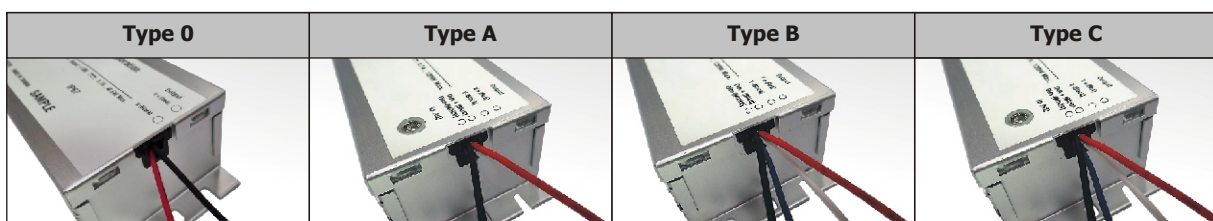
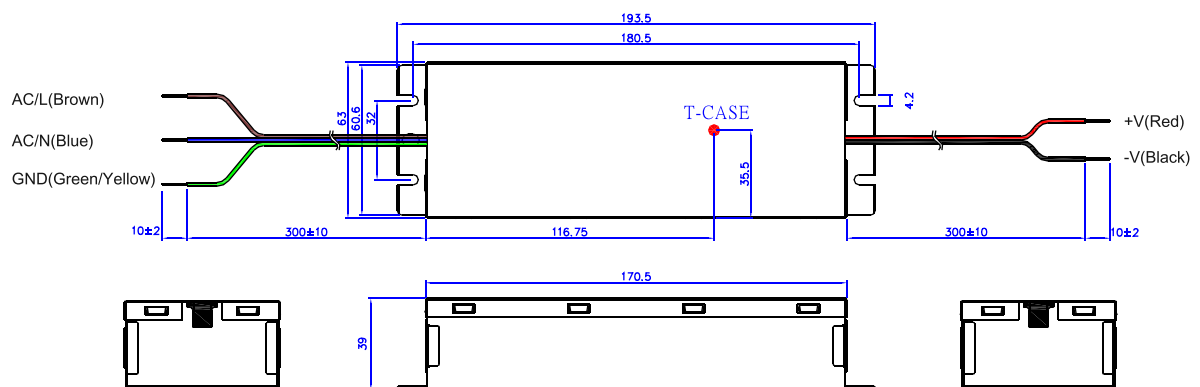
X: type of output wire, 0, A, B, C, D, S
 0= IP67 rated; A= IP65 rated (I-Adjustable);
 B= IP67 rated and built-in 3 in 1 dimming; C=IP65 rated and 1~10V dimming;
 D= IP67 rated and Timer dimming; S= IP67 rated and Smart Count Time dimming.

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

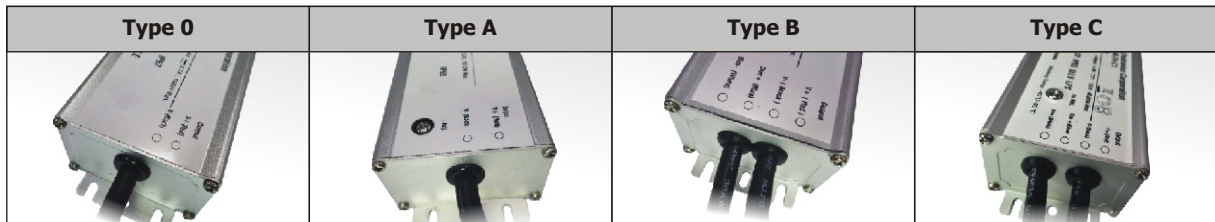
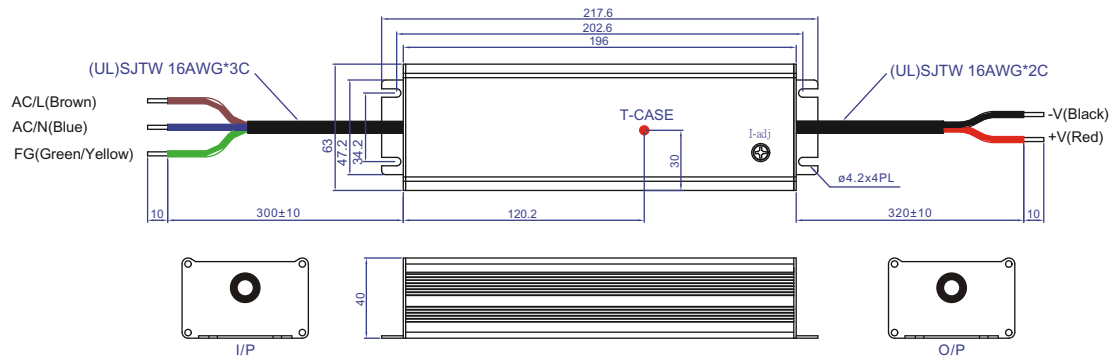
Model Listing

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%

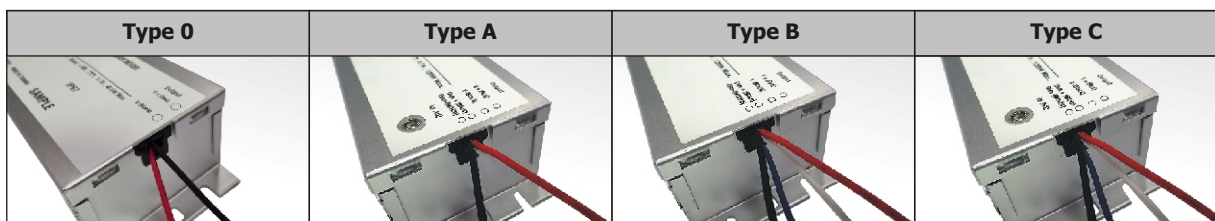
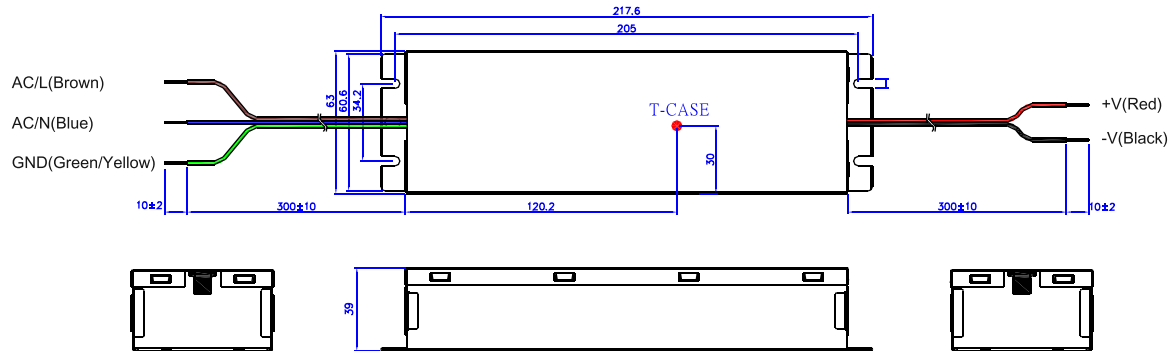
X: type of output wire, 0, A, B, C, D, S
 0= IP67 rated; A= IP65 rated (I-Adjustable);
 B= IP67 rated and built-in 3 in 1 dimming; C=IP65 rated and 1~10V dimming;
 D= IP67 rated and Timer dimming; S= IP67 rated and Smart Count Time dimming.

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



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-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

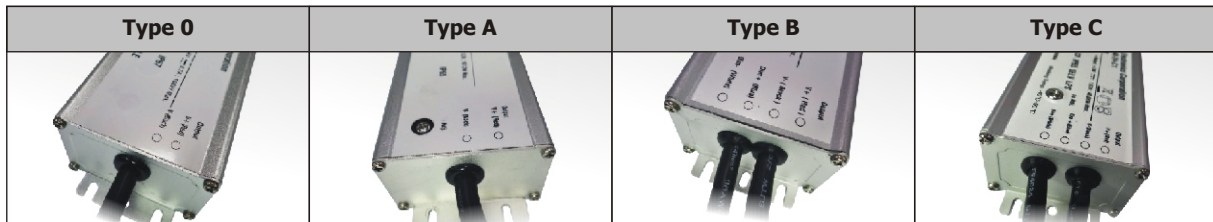
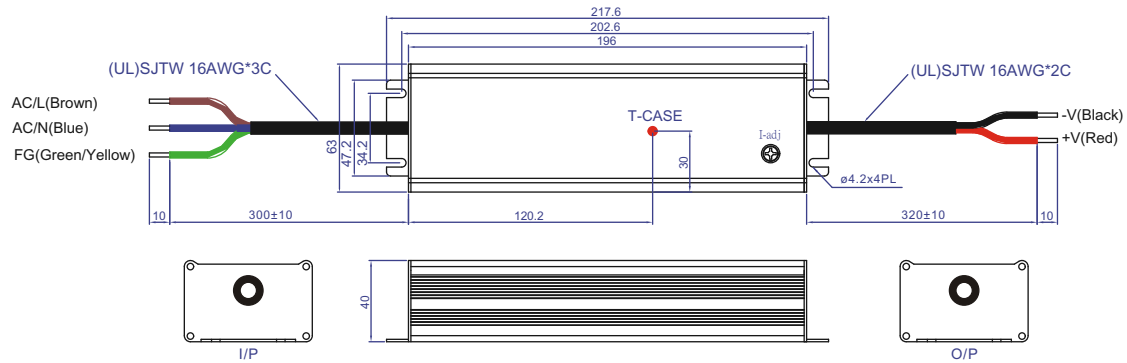
Model Listing

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

