

40W/50W/60W PC-SD51 Series LED Lighting Power Supply

Features

- ▶ Universal AC input / Full range up to 305Vrms.
- ▶ Power Factor > 0.95, @ max. load.
- ▶ THD<15% at max. load, I/P=230Vrms.
- ▶ Surge protection common/diff. 4.5/4.5KV.
- ▶ Meeting lighting safety standard: UL8750 & IEC 61347.
- ▶ IP66 design for LED 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.
- ▶ Free air cooling.
- ▶ 3 years warranty.



Specifications

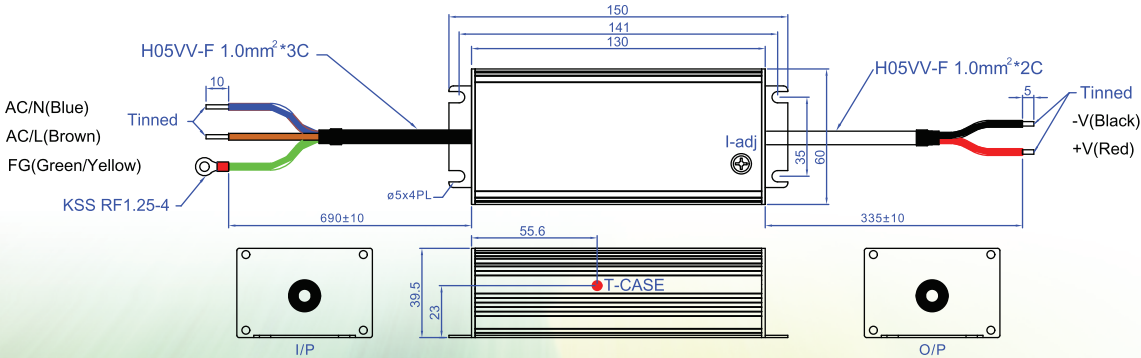
Input	Voltage rating	100~277Vrms ±10% (90~305Vrms)
	Power factor (Typ.)	PF > 0.95 at max. load, 115Vrms/230Vrms
	Inrush current (Typ.)	Cold start, 40A max. at 230Vrms
Environment	Operating temperature	- 40°C~+50°C @ambient temperature (Tambient)
EMC & Safety	Withstand voltage	I/P-O/P: 3.75KVac, I/P-FG: 1.5KVac, O/P-FG: 0.5KVac
	Safety standards	EN61347-1, EN61347-2-13
	EMC standards	Compliance to EN55015, EN61000-3-2 Class C, EN61000-3-3, EN61000-4-2,3,4,5,6,8,11, EN61547
Cable	Input wire	(IEC53) H05VV-F 1.0mm²×3C (69cm)
	Output wire	(IEC53) H05VV-F 1.0mm²×2C (33.5cm)
Mechanical	Dimension/weight	150 (L) x 60 (W) x 39.5 (H) mm, Weight : 740 gram

Model Listing

Model No.	Max. output power	Output	Efficiency
PC-SD51-1XY	60W	23~43V / 0.8~1.8A	87%
PC-SD51-2XY	50W	13~24V / 1.2~2.9A	85%
PC-SD51-3XY	40W	8~14V / 2.7~4.2A	83%
PC-SD51-4XY	40W	12~18V / 2.1~3.2A	83%
PC-SD51-5XY	60W	29~57V / 0.35~1.1A	88%

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

PC-SD51 Dimensional Drawing



Features

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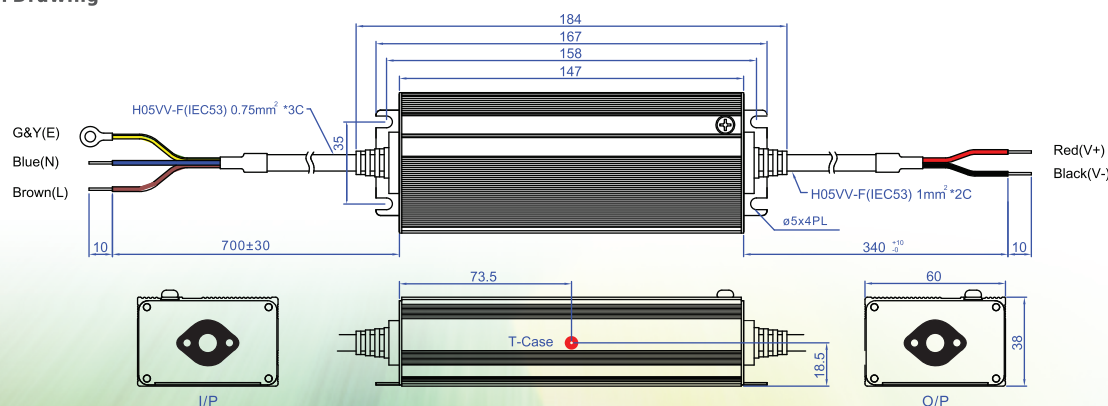
- CE  US  LPS SELV IP66

Input	Voltage rating	100~277Vrms ±10% (90~305Vrms)
	Power factor (Typ.)	PF > 0.95 at max. load, 115Vrms/230Vrms
	Inrush current (Typ.)	Cold start, 40A at 230Vrms
Environment	Operating temperature	- 30°C~+70°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	UL60950-1, CSA C22.2 No.60950-1-07, EN61347-1, EN61347-2-13
	EMC standards	FCC CER 47, Part 15 Subpart B, CISPR 22, 3 rd Edition: 1997 Class B, ANS 1, C63.4: 2003, Canadian ICES -003 Issue 4 (2004), EN61000-3-2, EN61000-3-3, EN61000-4-2,3,4,5,6,8,11, EN61547
Cable	Input wire	(IEC53) H05VV-F 0.75mm²×3C (70cm), CUL SVT VW-1 18AWG×3C (70cm)
	Output wire	(IEC53) H05VV-F 1.0mm²×2C (33.5cm), CUL SVT VW-1 18AWG×2C (34cm)
Mechanical	Dimension/weight	184 (L) x 60 (W) x 38 (H) mm, Weight : 810 gram

Model No.	Max. output power	Output	PF (at max load)	Efficiency
PC-SD37-1□	60W	9~21V / 2.4~3.50A	0.98 @ 115Vac; 0.95 @ 230Vac.	85%
PC-SD37-2□	60W	16~28V / 1.5~2.80A	0.98 @ 115Vac; 0.95 @ 230Vac.	86%
PC-SD37-3□	60W	24~35V / 1.2~2.10A	0.98 @ 115Vac; 0.95 @ 230Vac.	87%
PC-SD37-4□	60W	30~42V / 0.9~1.75A	0.98 @ 115Vac; 0.95 @ 230Vac.	87%
PC-SD37-5□	60W	39~49V / 0.9~1.40A	0.98 @ 115Vac; 0.95 @ 230Vac.	87%

PC-SD37

Dimensional Drawing



96W PC-SD11 Series LED Power Supply

Features

- ▶ Universal AC input / Full range up to 305Vrms.
- ▶ Power Factor > 0.95, @ max. load.
- ▶ Efficiency up to 90%.
- ▶ THD<20% at max. load, I/P=230Vrms.
- ▶ Surge protection common/diff. 4/4KV.
- ▶ Meeting lighting safety standard: UL8750 & IEC 60950-1.
- ▶ IP66 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.
- ▶ 3 years warranty.

CE cULus FC LPS Class 2 SELV IP66

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, 40A at 230Vrms
Environment	Operating temperature	- 40°C~+70°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	UL8750, CSA C22.2 No.60950-1-07, EN61347-1, EN61347-2-13, design refer to UL60950-1
	EMC standards	FCC Part 15 Subpart B, CISPR PUB.22, IC ICES-003 Class B, EN55022 Class B: 2006, EN61000-3-2: 2006, EN61000-3-3: 1995/A1: 2001/A2: 2005, IEC61000-4-2,3,4,5,6,8,11, EN55024 1998/A1: 2001/A2: 2003
Cable	Input wire	CUL SVT VW-1 18AWG×3C (70cm)
	Output wire	CUL SVT VW-1 18AWG×2C (35cm)
Mechanical	Dimension/weight	209 (L) x 60 (W) x 43 (H) mm, Weight : 950 gram

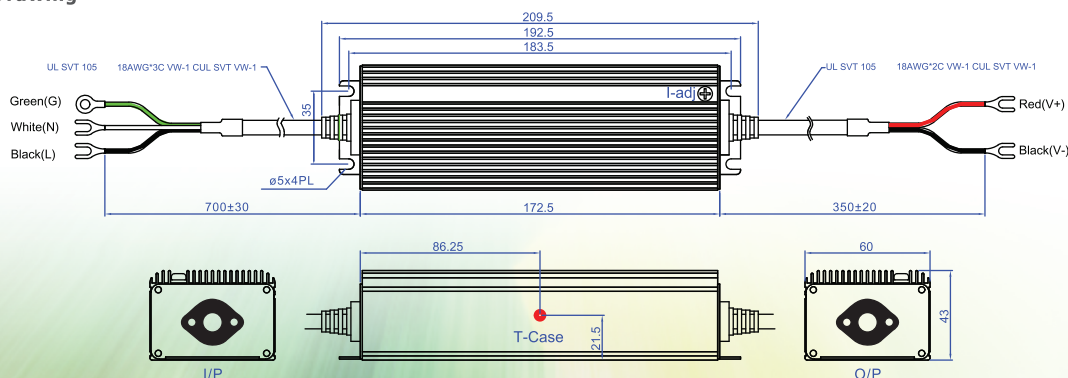
Model Listing

Model No.	Max. output power	Output	Efficiency
PC-SD11-1□	96W	12~24V / 2.5~4.0A	88%
PC-SD11-2□	96W	22~28V / 2.7~3.8A	88%
PC-SD11-3□	96W	27~33V / 2.2~3.0A	89%
PC-SD11-4□	96W	30~36V / 2.3~3.0A	89%
PC-SD11-5□	96W	34~39V / 2.5A	89%
PC-SD11-6□	96W	38~44V / 2.5A	90%

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

PC-SD11

Dimensional Drawing



150W PC-SD46 Series LED Power Supply

Features

- ▶ Power Factor > 0.95, @ max. load.
- ▶ THD < 20% at max. load, I/P=230Vrms.
- ▶ Surge protection common/diff. 4/4KV.
- ▶ Meeting lighting safety standard: IEC 61347.
- ▶ IP66 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.
- ▶ Free air cooling.
- ▶ 3 years warranty.



CE SELV IP66

Specifications

Input	Voltage rating	200~240Vrms $\pm 10\%$ (180~264Vrms)
	Power factor (Typ.)	PF > 0.95 at max. load, 230Vrms
	Inrush current (Typ.)	Cold start, 40A 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	EN61347-1, EN61347-2-13, design refer to UL60950-1
	EMC standards	EN55015, EN61000-3-2, EN61000-3-3, EN61000-4-2,3,4,5,6,8,11, EN61547, EN55024
Cable	Input wire	(IEC53) H05VV-F 0.75mm ² ×3C (69cm)
	Output wire	(IEC53) H05VV-F 1mm ² ×2C (34cm)
Mechanical	Dimension/weight	178 (L) x 84.7 (W) x 56.2 (H) mm, Weight : 1050 gram

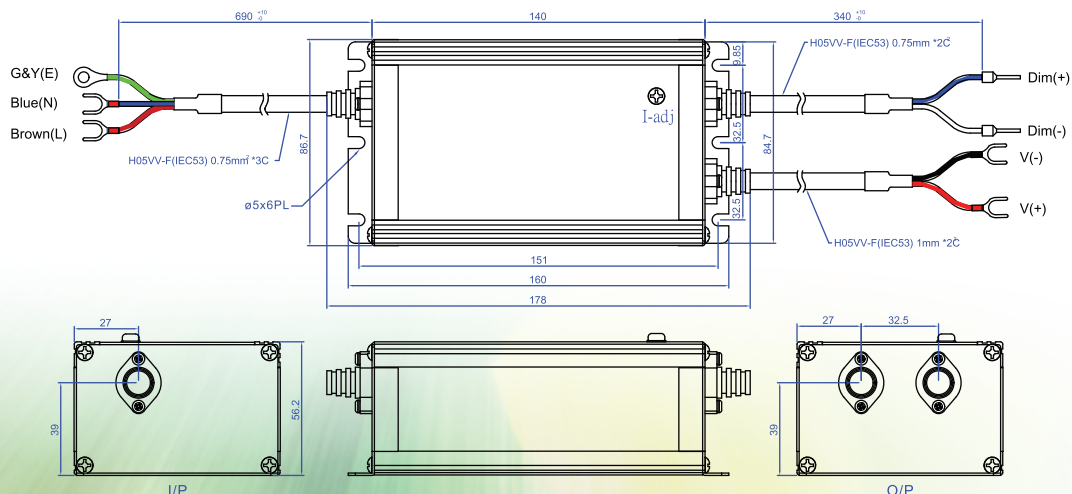
Model Listing

Model No.	Max. output power	Output	Efficiency	Output Connector
PC-SD46-1□	150W	30~36V / 2.5~5.0A	88%	
PC-SD46-1A	150W	30~36V / 2.5~5.0A	88%	Y-type terminal
PC-SD46-1B	150W	30~36V / 2.5~5.0A	88%	Water-proof type
PC-SD46-1C	90W	30~36V / 2.5~3.5A	88%	Y-type terminal
PC-SD46-1D	90W	30~36V / 2.5~3.5A	88%	Water-proof type

□: 0-9 or A-Z (Market purpose, factory specified)

PC-SD46

Dimensional Drawing



150W PC-SD26 Series LED Power Supply

Features

- ▶ Power Factor > 0.95, @ max. load.
- ▶ Efficiency up to 90%.
- ▶ THD<20% at max. load, I/P=230Vrms.
- ▶ Surge protection common/diff. 4/4KV.
- ▶ Meeting lighting safety standard: UL60950 & IEC 61347.
- ▶ IP66 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.
- ▶ Free air cooling.
- ▶ 3 years warranty.



Specifications

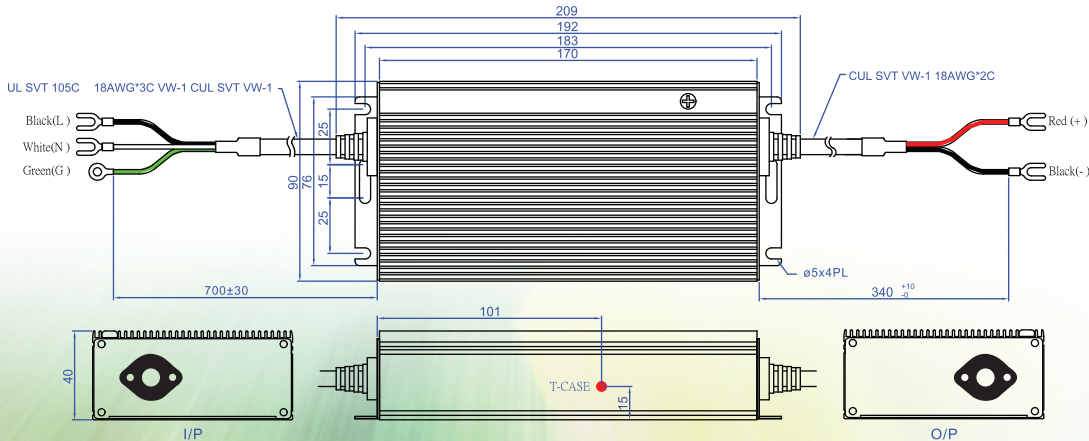
Input	Voltage rating	100~240Vrms ±10% (90~264Vrms)
	Power factor (Typ.)	PF > 0.95 at max. load, 115Vrms/230Vrms
	Inrush current (Typ.)	Cold start, 40A at 230Vrms
Environment	Operating temperature	- 40°C~+70°C (refer to output derating curve)
EMC & Safety	Withstand voltage	I/P-O/P: 3.75KVac, I/P-FG: 1.5KVac, O/P-FG: 0.5KVac
	Safety standards	UL8750, CSA C22.2 No.60950-1-07, EN61347-1, EN61347-2-13, design refer to UL60950-1
	EMC standards	FCC Part 15 Subpart B, CISPR PUB.22, IC ICES-003 Class B, EN55022 Class B: 2006, EN61000-3-2: 2006, EN61000-3-3: 1995/A1: 2001/A2: 2005, IEC61000-4-2,3,4,5,6,8,11, EN55024 1998/A1: 2001/A2: 2003
Cable	Input wire	CUL SVT VW-1 18AWG×3C (70cm)
	Output wire	CUL SVT VW-1 18AWG×2C (34cm)
Mechanical	Dimension/weight	210 (L) x 90 (W) x 40 (H) mm, Weight : 1400 gram

Model Listing

Model No.	Max. output power	Output	Efficiency
PC-SD26-1□	150W	14~29V / 3.5~7.7A	89%
PC-SD26-2□	150W	26~29V / 2.6~5.6A	89%
PC-SD26-3□	150W	35.7~52V / 2~4.2A	90%
PC-SD26-4□	150W	12~25V / 6.7~9A	89%

□: Blank or A-F (market purpose, factory specified)

PC-SD26 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×2C (20cm)
	Output wire	(UL) 3385 AWM1015 20AWG×2C (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			
PC-SD38-6XYDZ	48W	18.9~24V/2A	85%	DZ: Blank, 00-99, aa-zz or AA-ZZ (market purpose, factory specified)			
PC-SD38-6XYZ	48W	18.9~27V/1.78A	85%				

Dimensional Drawing

