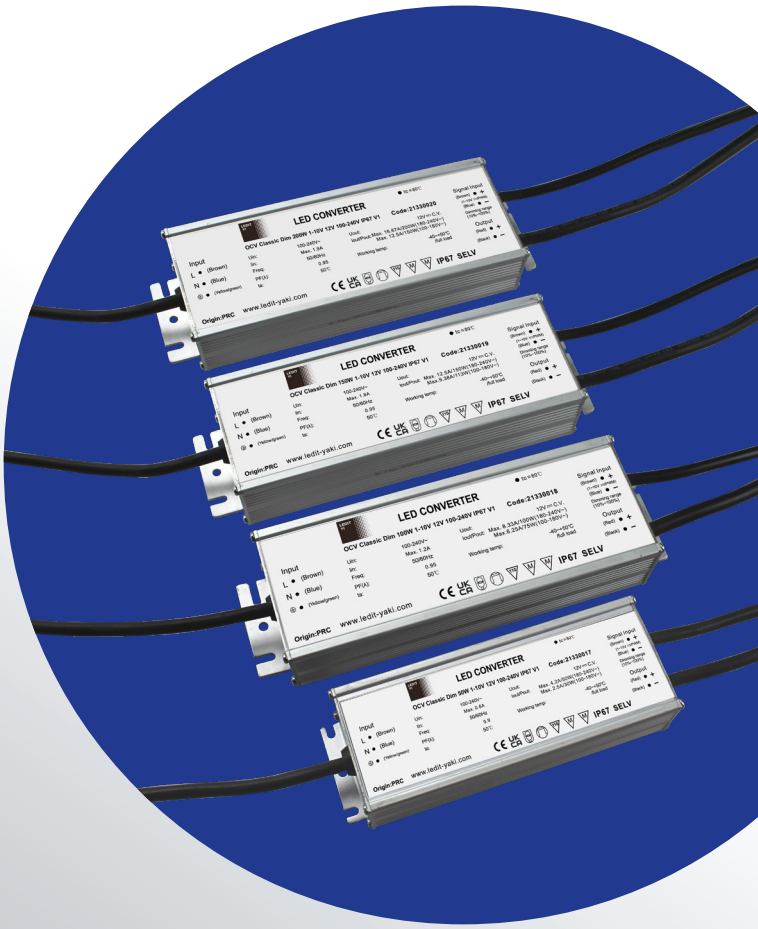
OCV Classic Dim

Outdoor Converter — 50 - 200W

The eco partner to drive reliably 1-10V solution



5 YEARS
50.000hrs
IP67

- Full power range from 50W to 200W
- Universal input voltage 100-240 VAC
- IP67 for outdoor applications, metal casing fully encapsulated

LEDIT YAKI - LeLighthouse
3 allée des Vignes
91160 Champlan – France
www.yaki.com
info@yaki.com

LEDIT YAKI
Rm 2107-2108, Guangzhou Exchange Square
No.268 DongFengZhong Rd
Guangzhou, Guangdong, 510030 CHINA
www.ledit-yaki.com
sales@leditinternational.com

LEDIT YAKI

OCV Classic Dim Outdoor Converter 50W

5 YEARS
50.000hrs
IP67

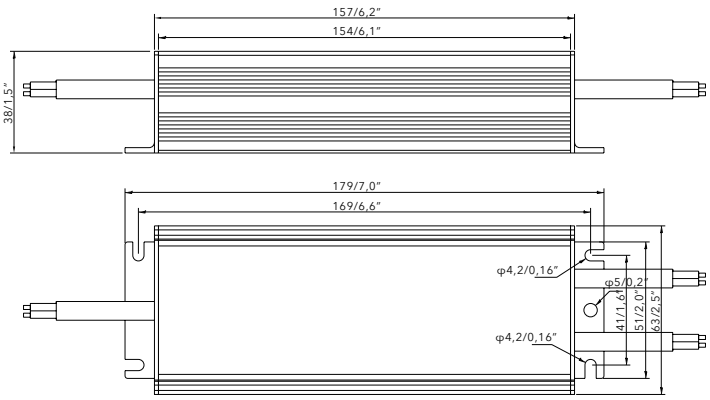
IP67 | 100-240 V/AC | -40°/+50°C

IP67 SELV

FEATURES & BENEFITS

- SELV
- Full load: 50W at 240V, and 30W at 180V
- Active Power Factor Correction over 0.90 at full load to allow power distribution at its maximum efficiency
- Efficiency over 83%
- Protection against short-circuit, over temperature, and overload
- Natural convection cooling
- Metal casing fully encapsulated
- Complies with Class C in the full range load according to EN 61000-3-2

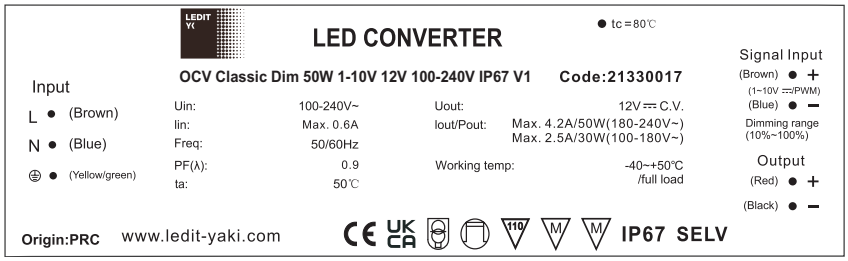
DIMENSIONS



TECHNICAL DATA

	21330017	OCV Classic Dim 50W 1-10V 12V 100-240V IP67			
Input	Rated supply voltage	100-240 VAC			
	Input voltage	90-265 VAC			
	Frequency range	47 - 63Hz			
	Power factor	PF ≥0.90/240VAC (at full load)			
	Efficiency	≥83% at 240 VAC (at full load)			
	Rated current	≤0.6A at 100 VAC (at full load)			
	Inrush current	50A at 240VAC			
	Leakage current	Contacting Current≤0.7mA at 240VAC, Protect conductor current≤2mA at 240VAC			
	Input Dimming signal	1-10V PWM(10V/100-1KHz)			
Output	Output voltage	12 Vdc		12 Vdc	
	Output current	4.2A Max	180-240 VAC	2.5A Max	100-180 VAC
	Output power range	50W		30W	
	Dimming range	10%-100%			
	Output ripple voltage	50 mVp-p (at full load)			
	Start up time	0-2S,100VAC. 0-1S,240VAC			
	short circuit protection	Yes - (see details in last page)			
	Over-heat protection	Yes - (see details in last page)			
	Surge protection	L-N,6KV, L,N-G,6KV			
Environment	Working Temperature	-40°C ~ +50°C (at full load)			
	Storage Temperature	-40°C~+80°C, 10-95% RH			

LABEL



1. All parameters NOT specially mentioned are measured at 220VAC input, rated load and 25°C ambient temperature.
2. The LED driver is considered as a component that will be operated in combination with final equipment, since EMC performance will be affected by the complete installation, the final equipment manufacturers must re-qualify EMC directive on the complete installation again.

OCV Classic Dim Outdoor Converter 100W

5 YEARS
50.000hrs
IP67

IP67 | 100-240 V/AC | -40°/+50°C

IP67 SELV

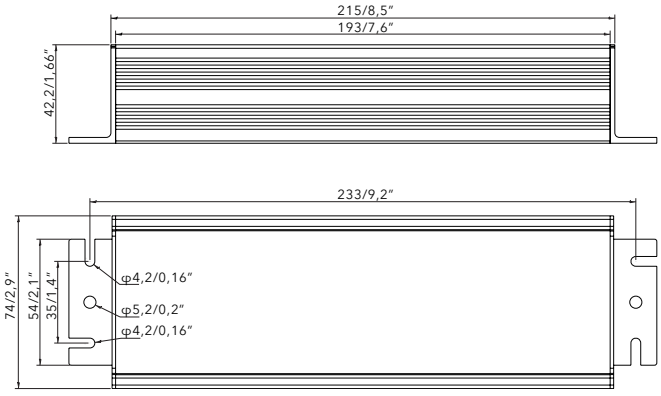
FEATURES & BENEFITS

- SELV
- Full load: 100W at 240V, and 75W at 180V
- Active Power Factor Correction over 0.95 at full load to allow power distribution at its maximum efficiency
- Efficiency over 88%
- Protection against short-circuit, over temperature, and overload
- Natural convection cooling
- Metal casing fully encapsulated
- Complies with Class C in the full range load according to EN 61000-3-2

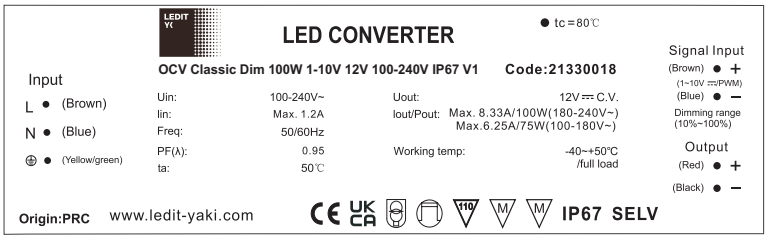
TECHNICAL DATA

	21330018	OCV Classic Dim 100W 1-10V 12V 100-240V IP67
Input	Rated supply voltage	100-240 VAC
	Input voltage	90-265 VAC
	Frequency range	47 - 63Hz
	Power factor	PF ≥0.95/240VAC (at full load)
	Efficiency	≥88% at 240 VAC (at full load)
	Rated current	≤1.2A at 100VAC(at full load)
	Inrush current	60A Max at 240VAC
	Leakage current	Contacting Current≤0.7mA at 240VAC, Protect conductor current≤2mA at 240VAC
	Input Dimming signal	1-10V PWM(10V/100-1KHz)
Output	Output voltage	12 Vdc
	Output current	8.33A Max
	Output power range	100W Max
	Dimming range	10%-100%
	Output ripple voltage	5% (at full load)
	Output overshoot/ undershoot current	≤10% when turn on and off the driver
	Start up time	0-2S,100VAC. 0-1S,240VAC
	short circuit protection	Yes - (see details in last page)
	Over-heat protection	Yes - (see details in last page)
	Surge protection	L-N,6KV, L,N-G,6KV
Environment	Working Temperature	-40°C - +50°C (at full load)
	Storage Temperature	-40°C-+80°C, 10-95% RH

DIMENSIONS



LABEL



1. All parameters NOT specially mentioned are measured at 220VAC input, rated load and 25°C ambient temperature.
2. The LED driver is considered as a component that will be operated in combination with final equipment, since EMC performance will be affected by the complete installation, the final equipment manufacturers must re-qualify EMC directive on the complete installation again.

OCV Classic Dim Outdoor Converter 150W

5 YEARS
50.000hrs
IP67

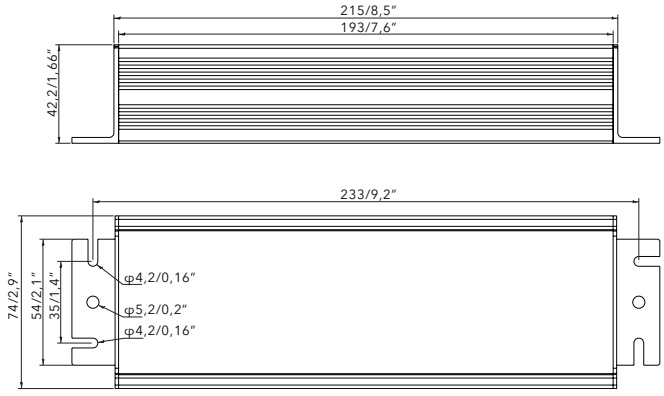
IP67 | 100-240 V/AC | -40°/+50°C

IP67 SELV

FEATURES & BENEFITS

- SELV
- Full load: 150W at 240V, and 113W at 180V
- Active Power Factor Correction over 0.95 at full load to allow power distribution at its maximum efficiency
- Efficiency over 88%
- Protection against short-circuit, over temperature, and overload
- Natural convection cooling
- Metal casing fully encapsulated
- Complies with Class C in the full range load according to EN 61000-3-2

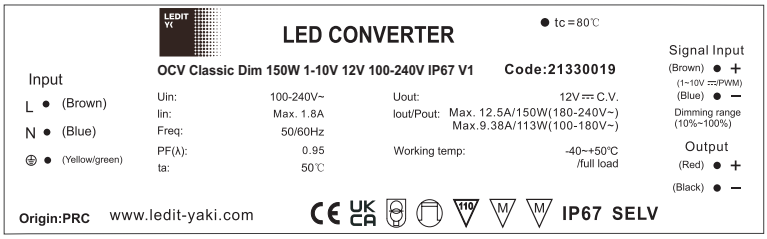
DIMENSIONS



TECHNICAL DATA

	21330019	OCV Classic Dim 150W 1-10V 12V 100-240V IP67
Input	Rated supply voltage	100-240 VAC
	Input voltage	90-265 VAC
	Frequency range	47 - 63Hz
	Power factor	PF ≥0.95/240VAC (at full load)
	Efficiency	≥88% at 240 VAC (at full load)
	Rated current	≤1.8A at 100VAC(at full load)
	Inrush current	50A Max at 240VAC
	Leakage current	Contacting Current≤0.7mA at 240VAC, Protect conductor current≤2mA at 240VAC
	Input Dimming signal	1-10V PWM(10V/100-1KHz)
Output	Output voltage	12 Vdc
	Output current	12.5A Max
	Output power range	150W Max
	Dimming range	10%-100%
	Output ripple voltage	5% (at full load)
	Output overshoot/ undershoot current	≤10% when turn on and off the driver
	Start up time	0-2S, 100VAC. 0-1S, 240VAC
	short circuit protection	Yes - (see details in last page)
	Over-heat protection	Yes - (see details in last page)
	Surge protection	L-N,6KV, L,N-G,6KV
Environment	Working Temperature	-40°C ~ +50°C (at full load)
	Storage Temperature	-40°C-+80°C, 10-95% RH

LABEL



1. All parameters NOT specially mentioned are measured at 220VAC input, rated load and 25°C ambient temperature.
2. The LED driver is considered as a component that will be operated in combination with final equipment, since EMC performance will be affected by the complete installation, the final equipment manufacturers must re-qualify EMC directive on the complete installation again.

OCV Classic Dim Outdoor Converter 200W

5 YEARS
50.000hrs
IP67

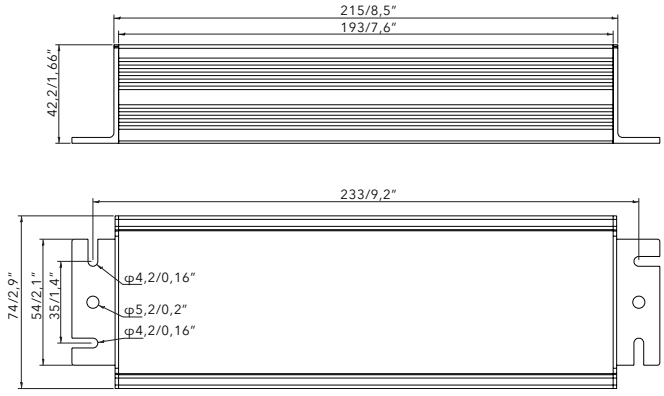
IP67 | 100-240 V/AC | -40°/+50°C

IP67 SELV

FEATURES & BENEFITS

- SELV
- Full load: 200W at 240V, and 150W at 180V
- Active Power Factor Correction over 0.95 at full load to allow power distribution at its maximum efficiency
- Efficiency over 88%
- Protection against short-circuit, over temperature, and overload
- Natural convection cooling
- Metal casing fully encapsulated
- Complies with Class C in the full range load according to EN 61000-3-2

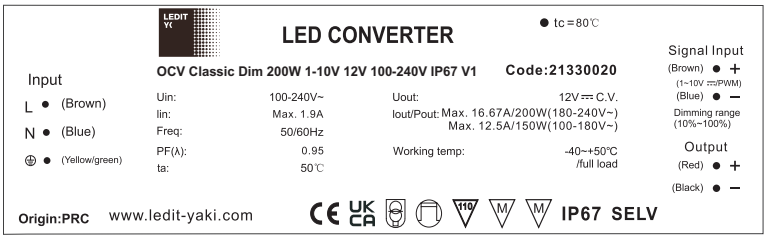
DIMENSIONS



TECHNICAL DATA

	21330020	OCV Classic Dim 200W 1-10V 12V 100-240V IP67			
Input	Rated supply voltage	100-240 VAC			
	Input voltage	90-265 VAC			
	Frequency range	47 - 63Hz			
	Power factor	PF ≥0.95/240VAC (at full load)			
	Efficiency	≥88% at 240 VAC (at full load)			
	Rated current	≤1.9A at 100VAC(at full load)			
	Inrush current	60A at 240VAC			
	Leakage current	Contacting Current≤0.7mA at 240VAC, Protect conductor current≤2mA at 240VAC			
	Input Dimming signal	1-10V PWM(10V/100-1KHz)			
Output	Output voltage	12 Vdc		12 Vdc	
	Output current	16.67A Max	180-240 VAC	12.5A Max	100-180 VAC
	Output power range	200W Max		150W	
	Dimming range	10%-100%			
	Output ripple voltage	5% (at full load)			
	Output overshoot/ undershoot current	≤10% when turn on and off the driver			
	Start up time	0-1S, 220VAC			
	short circuit protection	Yes - (see details in last page)			
	Over-heat protection	Yes - (see details in last page)			
	Surge protection	L-N,6KV, L,N-G,6KV			
Environment	Working Temperature	-40°C ~ +50°C (at full load)			
	Storage Temperature	-40°C~+80°C, 10-95% RH			

LABEL



1. All parameters NOT specially mentioned are measured at 220VAC input, rated load and 25°C ambient temperature.
2. The LED driver is considered as a component that will be operated in combination with final equipment, since EMC performance will be affected by the complete installation, the final equipment manufacturers must re-qualify EMC directive on the complete installation again.

PROTECTIONS

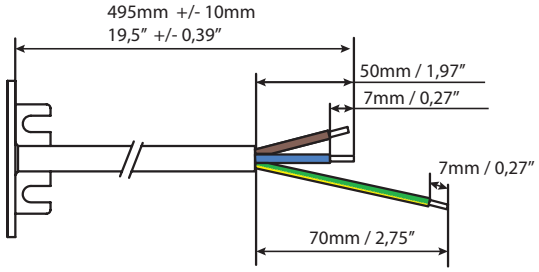
- Short-circuit protection: Driver will recover when short-circuit condition removed if not damaged.
- If driver is overloaded, the voltage will be reduced and light will decrease, and then it will flash. When not overloaded it will operate normally.
- Excessive Temperature Protection: Driver will switch off and will restart again when temperature does not exceed its limits.

NORMS & CERTIFICATES

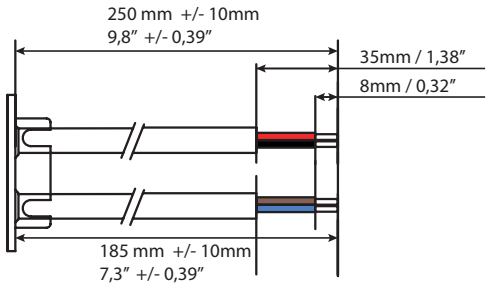
- EN 61347-1:2015+A1:2021
- EN 61547:2009
- EN 61347-2-13:2014+A1:2017
- EN 61000-3-2:2019+A1:2021
- EN 62493:2015
- EN IEC 55015:2019+A1:2020
- EN IEC 61000-3-3:2013+A1:2019

CABLE

Input :



Output :



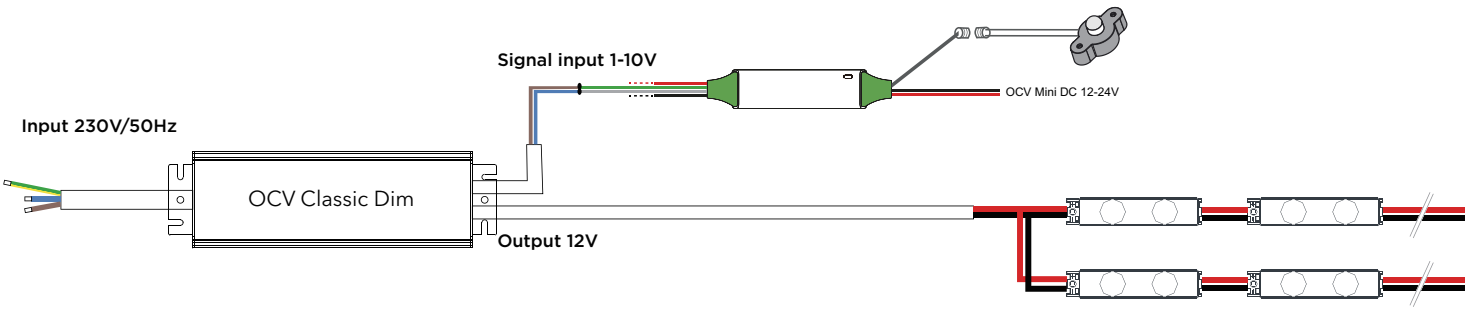
Cables type 50W:

- Input --> Ø 7.4 ±0.2 mm - 3 × 1.0 mm² (19 AWG)
- Output --> Ø 7.0 ±0.2 mm - 2 × 1.0 mm² (19 AWG)
- PRI: Signal --> Ø 7.0 ±0.2 mm - 2 × 1.0 mm² (19 AWG)

Cables type 100W / 150W / 200W:

- Input --> Ø 7.4 ±0.2 mm - 3 × 1.0 mm² (19 AWG)
- Output --> Ø 8.6 ±0.2 mm - 2 × 1.5 mm² (17 AWG)
- PRI: Signal --> Ø 7.0 ±0.2 mm - 2 × 1.0 mm² (19 AWG)

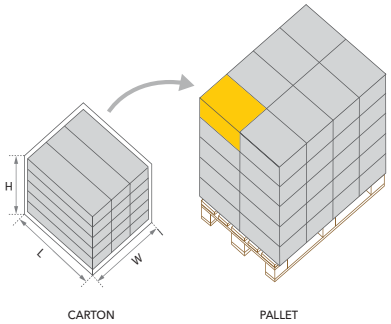
WIRING DIAGRAM - With dimmer



OCV Classic Dim
Outdoor Converter

PACKAGING

	Type	SIZE - LxWxH (cm)	SIZE - LxWxH (ft)	Weight (Kg)	Weight (lb)	Nb of Pcs / box
CARTON	OCV Classic Dim 50W 1-10V	41,5 x 25,1 x 20,5	1,7 x 0,8 x 0,7	15,5	34,2	20
PALLET	OCV Classic Dim 50W 1-10V	125,5 x 83 x 97	4,1 x 2,7 x 3,2	584	1287,5	800
CARTON	OCV Classic Dim 100W 1-10V	26 x 26 x 23,7	0,8 x 0,8 x 0,8	10,1	22,3	8
PALLET	OCV Classic Dim 100W 1-10V	130 x 80 x 86,1	4,3 x 2,6 x 2,8	476,1	1049,6	360
CARTON	OCV Classic Dim 150W 1-10V	26 x 26 x 23,7	0,8 x 0,8 x 0,8	10,3	22,7	8
PALLET	OCV Classic Dim 150W 1-10V	130 x 80 x 86,1	4,3 x 2,6 x 2,8	483,5	1065,9	360
CARTON	OCV Classic Dim 200W 1-10V	45,5 x 27 x 23,5	1,5 x 0,9 x 0,8	23	50,7	16
PALLET	OCV Classic Dim 200W 1-10V	130 x 80 x 86,1	4,3 x 2,6 x 2,8	476,1	1049,6	360



(When the min and max values are not indicated, the tolerance range for optical and electrical data is ±15 %.)