

OCV Slim 24V

Outdoor Converter

15 - 180W

The perfect partner to team up with any 24V LED solution



7 YEARS
50.000hrs
IP67

- Full power range from 15W to 180W
- SLIM profile (40x23mm) to fit in very thin applications
- IP67 for outdoor applications. Metal casing fully encapsulated
- Active Power Factor Correction: $\geq 0,95$

OCV Slim 24V Outdoor Converter

15W



7 YEARS
50,000hrs
IP67



IP67



100-277 V/AC



-40°/+50°C

CE UK CA IP67 SELV

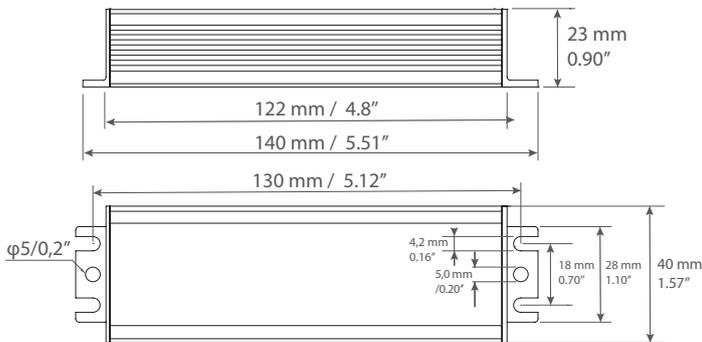
FEATURES & BENEFITS

- ▶ SELV
- ▶ Full load: 15W at 230V, and 10W at 100V
- ▶ Active Power Factor Correction over 0.88 at full load to allow power distribution at its maximum efficiency
- ▶ Efficiency over 79%
- ▶ Protection against short-circuit, over temperature, and overload
- ▶ Natural convection cooling
- ▶ Complies with Class C in the full range load according to EN 61000-3-2

TECHNICAL DATA

	21330022	OCV Slim 15W 24V 100-277V IP67
Input	Rated supply voltage	100-277VAC
	Input voltage	90-305VAC
	Frequency range	47-63Hz
	Power factor	PF ≥0.88 at 230VAC (at full load)
	Efficiency	≥79% at 230VAC (at full load)
	Rated current	≤0.10A at 230VAC 50Hz (at full load 15W) ≤0.18A at 100VAC 50Hz (at full load 10W)
	Inrush current	Peak 14A 90% peak 0,231µs
Leakage current	<0.5mA at 293.6VAC	
Output	Output voltage	24.2-24.8VDC
	Output current	0,104 to 0,625A at 180-277VAC 0,104 to 0,417A at 100-180VAC
	Output power range	2,5-15W at 180-277VAC 2,5-10W at 100-180VAC
	Output ripple voltage	3500 mVp-p (at full load)
	Start up time	2s at 100VAC / 1s at 277VAC
	Short-circuit protection	Yes - (see details in page 7)
	Over-heat protection	Yes - (see details in page 7)
	Over-load protection	Yes - (see details in page 7)
	Surge protection	4 KV, L-N, 4KV, L, N-G
	THD	<20%
Environment	Working Temperature	-40°C / +50°C (at full load)
	Storage Temperature	-40°C/+80°C, 10-95% RH

DIMENSIONS



LABEL

Uin:	100-277V~	LEDIT YAKI	LED CONVERTER	Uout:	24V ≈ C.V.
lin:	Max. 0.18A			lout/Pout:	
Input Freq:	50/60Hz		OCV5 Slim 15W 24V 100-277V IP67 V3	Output	
L • (Brown)	PF(λ): 0.9		Code: 21330022	Max. 0.625A/15W(180-277V~)	(Red) • +
N • (Blue)	ta: 50°C		• tc=85°C	Max. 0.417A/10W(100-180V~)	(Black) • -
⊙ • (Yellow/green)	Working temp: -40~+50°C /full load		Origin:PRC		
	www.ledit-yaki.com				

CE UK CA IP67 SELV

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 Slim 24V Outdoor Converter

35W



7 YEARS
50,000hrs
IP67



IP67



100-277 V/AC



-40°/+50°C

CE UK CA IP67 SELV

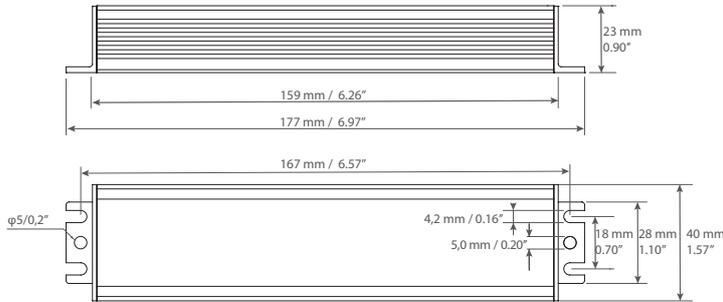
FEATURES & BENEFITS

- ▶ SELV
- ▶ Full load: 35W at 230V, and 25W at 100V
- ▶ 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
- ▶ Complies with Class C in the full range load according to EN 61000-3-2

TECHNICAL DATA

	21330009	OCV Slim 35W 24V 100-277V IP67
Input	Rated supply voltage	100-277VAC
	Input voltage	90-305VAC
	Frequency range	47-63Hz
	Power factor	PF ≥ 0.90/230VAC (at full load)
	Efficiency	≥ 83% at 230VAC (at full load)
	Rated current	≤ 0.36A at 100VAC 50Hz (at full load 25W) ≤ 0.19A at 230VAC 50Hz (at full load 35W)
	Inrush current	Peak 33A 90% peak 0,297µs
Leakage current	< 0.5mA at 293.6VAC	
Output	Output voltage	24.2-24.8VDC
	Output current	0,11 to 1,46A at 180-277VAC 0,11 to 1,04A at 100-180VAC
	Output power range	2,5-35W at 180-277VAC 2,5-25W at 100-180VAC
	Output ripple voltage	3800 mVp-p (at full load)
	Start up time	1s at 100VAC / 0,5s at 277VAC
	Short-circuit protection	Yes - (see details in page 7)
	Over-heat protection	Yes - (see details in page 7)
	Over-load protection	Yes - (see details in page 7)
	Surge protection	6KVAC, L-N, 6KVAC, L(N)-FG
	THD	< 20%
Environment	Working Temperature	-40°C / +50°C (at full load)
	Storage Temperature	-40°C/+80°C, 10-95% RH

DIMENSIONS



LABEL

Input	U _{in} : 100-277V~ I _{in} : Max. 0.36A Freq: 50/60Hz PF(λ): 0.9	LED CONVERTER OCV Slim 35W 24V 100-277V IP67 V3 Code:21330009	U _{out} : 24V = C.V.
L • (Brown) N • (Blue) ⊕ • (Yellow/green)	Working temp: -40~+50°C /full load		I _{out} /P _{out} : Max. 1.46A/35W(180-277V~) Max. 1.04A/25W(100-180V~)
			tc=85°C Origin PRC
		IP67 SELV	www.ledit-yaki.com

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-quality EMC directive on the complete installation again.

OCV Slim 24V Outdoor Converter

100W



7 YEARS
50,000hrs
IP67



IP67



100-277 V/AC



-40°/+50°C

CE UK CA IP67 SELV

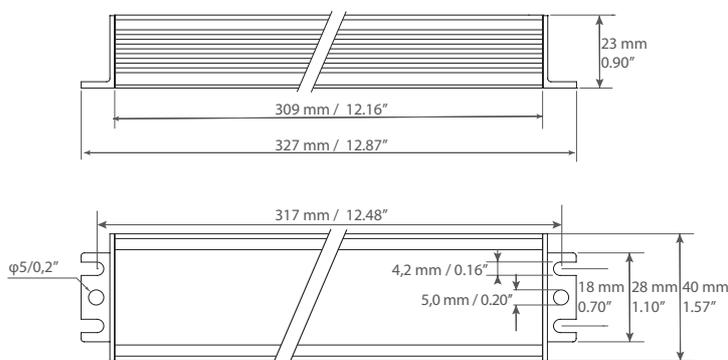
FEATURES & BENEFITS

- ▶ SELV
- ▶ Full load: 100W at 230V, and 80W at 100V
- ▶ Active Power Factor Correction over 0.95 at full load to allow power distribution at its maximum efficiency
- ▶ Efficiency over 87,7%
- ▶ Protection against short-circuit, over temperature, and overload
- ▶ Natural convection cooling
- ▶ Complies with Class C in the full range load according to EN 61000-3-2

TECHNICAL DATA

	21330011	OCV Slim 100W 24V 100-277V IP67
Input	Rated supply voltage	100-277VAC
	Input voltage	90-305VAC
	Frequency range	47-63Hz
	Power factor	PF ≥0.95 at 230VAC (at full load)
	Efficiency	≥87,7% at 230VAC (at full load)
	Rated current	≤0.54A at 230VAC 50Hz (at full load 100W) ≤1,02A at 100VAC 50Hz (at full load 80W)
	Inrush current	Peak 52A 90% peak 0,307µs
	Leakage current	<0.5mA at 293.6VAC
Output	Output voltage	24.2-24.8VDC
	Output current	0,1-4,16A at 180-277VAC 0,1-3,336A at 100-180VAC
	Max Output power range	2,4-100W at 180-277VAC 2,4-80W at 100-180VAC
	Output ripple voltage	50mVp-p (at full load)
	Start up time	1s at 100VAC / 0,5s at 277VAC
	Short-circuit protection	Yes - (see details in page 7)
	Over-heat protection	Yes - (see details in page 7)
	Over-load protection	Yes - (see details in page 7)
Environment	Surge protection	6KVAC, L-N, 6KVAC, L(N)-FG
	THD	<20%
	Working Temperature	-40°C / +50°C (at full load)
Storage Temperature	-40°C/+80°C, 10-95% RH	

DIMENSIONS



LABEL

Input L • (Brown) N • (Blue) ⊕ • (Yellow/green)	U _{in} : 100-277V~ I _{in} : Max. 1.02A Freq: 50/60Hz PF(λ): 0.9 t _a : 50°C Working temp: -40~+50°C /full load	LED CONVERTER OCV Slim 100W 24V 100-277V IP67 V3 Code:21330011 CE UK CA IP67 SELV	U _{out} : 24V ~ C.V. I _{out} /P _{out} : Max. 4.16A/100W (180-277V~) Max. 3.33A/80W (100-180V~)	Output (Red) • + (Black) • -
t _c =85°C Origin:PRC			www.ledit-yaki.com	

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 Slim 24V Outdoor Converter

180W



5 YEARS
50,000hrs
IP67



IP67



100-277 V/AC



-40°/+50°C

CE UK CA IP67 SELV

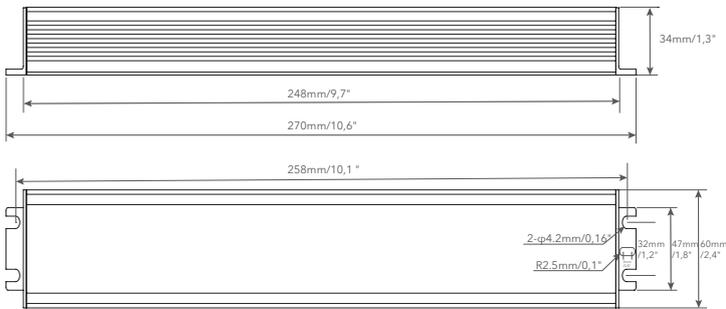
FEATURES & BENEFITS

- ▶ SELV
- ▶ Full load: 180W at 230V, and 144W at 100V
- ▶ Active Power Factor Correction over 0.95 at full load to allow power distribution at its maximum efficiency
- ▶ Efficiency over 89,2%
- ▶ 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

	21330023	OCV Slim 180W 24V 100-277V IP67
Input	Rated supply voltage	100-277VAC
	Input voltage	90-305VAC
	Frequency range	47-63Hz
	Power factor	PF ≥0.95 at 230VAC (at full load)
	Efficiency	≥89,2% at 230VAC (at full load)
	Rated current	≤1.9A at 100VAC 50Hz (loading 144W) ≤1.0A at 230VAC 50Hz (loading 180W)
	Inrush current	Peak 88A 90% peak 7,2μs
Leakage current	<0.5mA at 293.6VAC	
Output	Output voltage	24.2-24.8VDC
	Output current	0,1-7,5A at 180-277VAC 0,1-6A at 100-180VAC
	Max Output power range	2,4-180W at 180-277VAC 2,4-144W at 100-180VAC
	Output ripple voltage	50mVp-p (at full load)
	Start up time	0-1s at 100VAC / 0-0,5s at 277VAC
	Short-circuit protection	Yes - (see details in page 7)
	Over-heat protection	Yes - (see details in page 7)
	Over-load protection	Yes - (see details in page 7)
Surge protection	6KVAC, L-N, 6KVAC, L(N)-FG	
THD	<20%	
Environment	Working Temperature	-40°C / +50°C (at full load)
	Storage Temperature	-40°C/+80°C, 10-95% RH

DIMENSIONS



LABEL

		LED CONVERTER OCV Slim 180W 24V 100-277V IP67 V3		● tc=85°C
Input L ● (Brown) N ● (Blue) ⊕ ● (Yellow/green) Origin: PRC	Uin: 100-277V~ Iin: Max. 1.9A Freq: 50/60Hz PF(λ): 0.95 ta: 50°C www.ledit-yaki.com	Code: 21330023	Uout: Iout/Pout: Max. 7.5A/180W (180-277V~) Max. 6A/144W (100-180V~)	24V ≡ C.V. Output (Red) ● + (Black) ● -
		Working temp: -40~+50°C/full load		

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

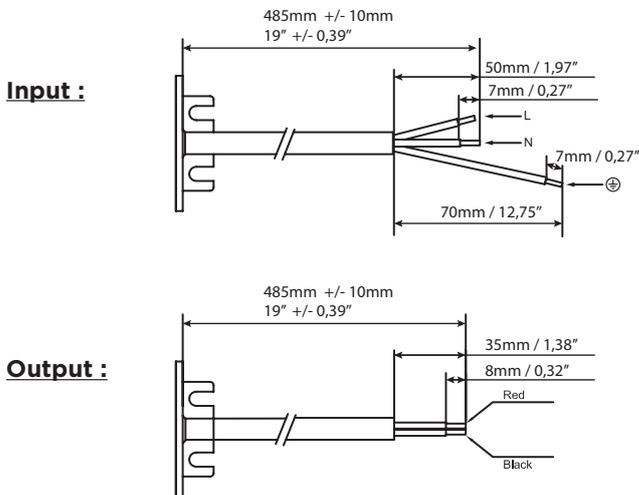
- ▶ Short-circuit protection: Driver will recover when short-circuit condition removed if not damaged.
- ▶ If driver is overloaded, the voltage will be reduced and light will decrease, and then it will flash. When not overloaded it will operate normally.
- ▶ Excessive Temperature Protection: Driver will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

NORMS & CERTIFICATES

- ▶ EN 61347-1:2008+A1:2011+A2:2013
- ▶ EN 61347-2-13:2014
- ▶ EN 62493:2010
- ▶ EN 55015:2013
- ▶ EN 61547:2009
- ▶ EN 61000-3-2:2014
- ▶ EN 56000-3-3:2013



CABLE



Cables type 15W :

- ▶ Input --> $\varnothing 7,4 \pm 0,2 \text{ mm} - 3 \times 1 \text{ mm}^2$
- ▶ Output --> $\varnothing 7 \pm 0,2 \text{ mm} - 2 \times 1 \text{ mm}^2$

Cables type 35W :

- ▶ Input --> $\varnothing 9,0 \pm 0,2 \text{ mm} - 3 \times 1,5 \text{ mm}^2$
- ▶ Output --> $\varnothing 8,6 \pm 0,2 \text{ mm} - 2 \times 1 \text{ mm}^2$

Cables type 60W :

- ▶ Input --> $\varnothing 9,0 \pm 0,2 \text{ mm} - 3 \times 1,5 \text{ mm}^2$
- ▶ Output --> $\varnothing 8,6 \pm 0,2 \text{ mm} - 2 \times 1,5 \text{ mm}^2$

Cables type 100W :

- ▶ Input --> $\varnothing 9,0 \pm 0,2 \text{ mm} - 3 \times 1,5 \text{ mm}^2$
- ▶ Output --> $\varnothing 10,2 \pm 0,2 \text{ mm} - 2 \times 1,5 \text{ mm}^2$

Cables type 180W :

- ▶ Input --> $\varnothing 9,0 \pm 0,2 \text{ mm} - 3 \times 1,5 \text{ mm}^2$
- ▶ Output --> $\varnothing 10,2 \pm 0,2 \text{ mm} - 2 \times 2,5 \text{ mm}^2$

MCB LOAD

Type	C10	C16	C20	B10	B16	B20
Installation \varnothing	1,5mm ²	1,5mm ²	2,5mm ²	1,5mm ²	1,5mm ²	2,5mm ²
OCV Slim 15W	32	30	37	15	20	24
OCV Slim 35W	32	30	37	15	20	24
OCV Slim 60W	19	27	33	13	18	21
OCV Slim 100W	10	20	25	5	7	12
OCV Slim 180W	10	20	25	5	7	12

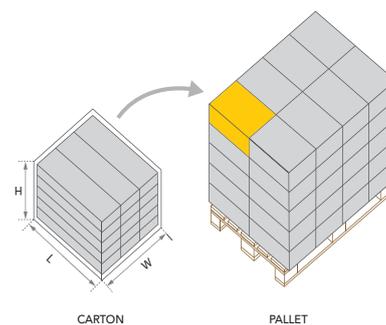


OCV Slim 24V Outdoor Converter

15 - 180W

PACKAGING

	Type	SIZE - LxWxH (cm)	SIZE - LxWxH (ft)	Weight (Kg)	Weight (lb)	Nb of Pcs / box
CARTON	OCV Slim 15W	43,5x18,3x17,5	1,4x0,6x0,57	9,83	21,7	30
PALLET	OCV Slim 15W	128,1x87x102,5	4,2x2,9x3,4	707,8	1559	2100
CARTON	OCV Slim 35W	43,5x24,1x17,5	1,4x0,8x0,57	13,4	29,5	30
PALLET	OCV Slim 35W	120,5x87x102,5	3,9x2,9x3,4	687,75	1516	1500
CARTON	OCV Slim 60W	43,5x29,1x17,5	1,4x0,95x0,57	16,6	35,3	30
PALLET	OCV Slim 60W	120x87x102,5	4,7x2,9x3,4	684	1508	1200
CARTON	OCV Slim 100W	37,1x22,5x17,5	1,2x0,7x0,57	10,9	24	15
PALLET	OCV Slim 100W	127,1x82,1x102,5	4,2x2,7x3,4	672,2	1482	900
CARTON	OCV Slim 180W	33x28,5x22,5	1,1x0,9x0,7	12,5	27,6	15
PALLET	OCV Slim 180W	127,5x85,5x105	4,2x2,8x3,5	570	1257	600



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