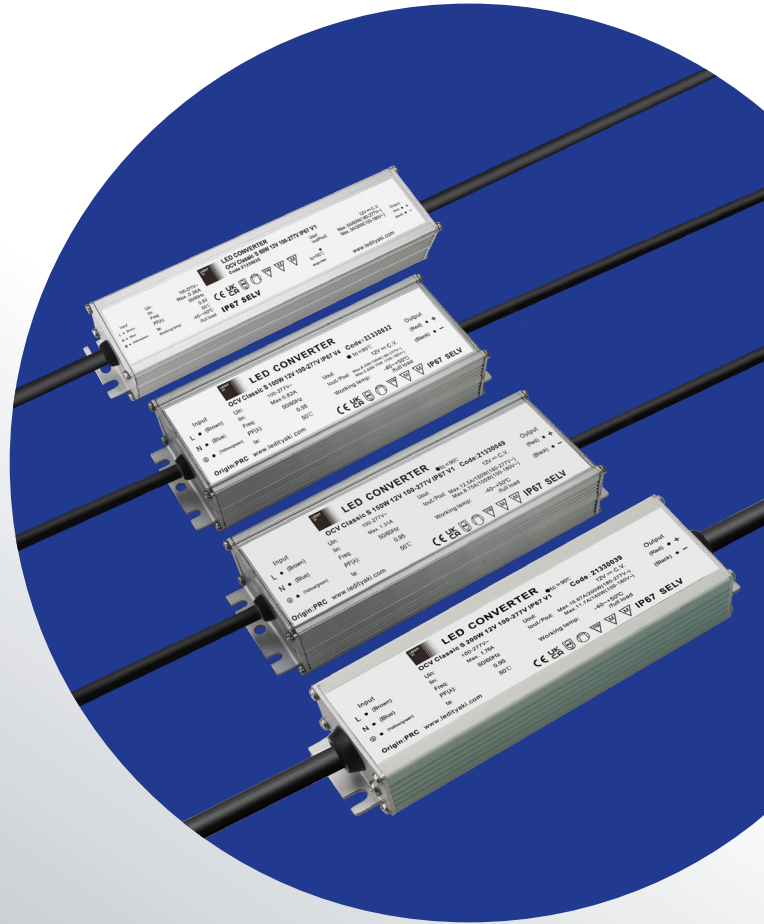


OCV Classic S 12V

Outdoor Converter

60 - 200W

Trio of drivers that meet all norms while deliver performance and reliable savings



5 YEARS
50.000hrs
IP67

- Protection against excessive load, temperature and short-circuits
- IP67 for outdoor applications. Metal casing fully encapsulated
- Active Power Factor Correction: $\geq 0,95$
- Smaller body for 200W

LEDIT YAKI
3 allée des Vignes
91160 Champlan - France
www.ledityaki.com
info@ledityaki.com

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



OCV Classic S 12V Outdoor Converter

60W



5 YEARS
50,000hrs
IP67



IP67



100-277 V/AC



-40°/+50°C

CE UK CA IP67 SELV

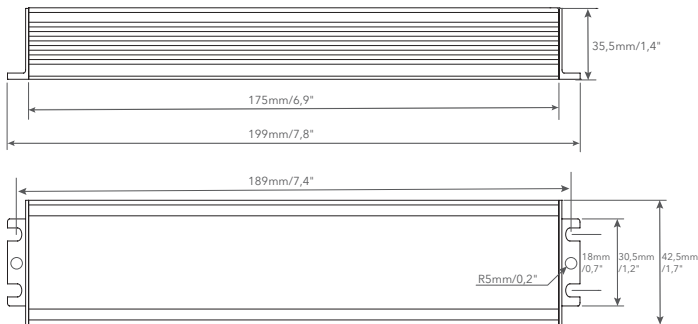
FEATURES & BENEFITS

- ▶ SELV
- ▶ Full load: 60W at 220V and 36W at 110V
- ▶ Active Power Factor Correction over 0.92 at full load to allow power distribution at its maximum efficiency
- ▶ Efficiency over 85,7%
- ▶ 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

	21330035	OCV Classic S 60W 12V 100-277V IP67
Input	Rated supply voltage	100-277VAC
	Frequency range	47-63Hz
	Power factor	PF ≥0.92 at 230VAC (at full load)
	Efficiency	≥85,7% at 230VAC (at full load)
	Rated current	≤0.36A at 230VAC 50Hz (at full load 60W) ≤0.5A at 100VAC 50Hz (at full load 36W)
	Inrush current	Cold star: 60A Max./277VAC
	Leakage current	≤0.7mA at 277VAC
Output	Output voltage	12VDC(+/-5%)
	Output current	0.2-5.0A at 180-277VAC 0.2-3.0A at 100-180VAC
	Output power range	2.4-60W 2.4-36W
	Output ripple voltage	≤3,8Vp-p (at full load)
	Start up time	0-2S / 100VAC, 0-1S / 277VAC
	Short circuit protection	Driver will recover when Short circuit condition removed if not damaged.
	Over-load protection	Yes - (see details in page 7)
Over-heat protection	110°C±10°C(RTH2) Driver will recover when over-heat condition removed.	
	THD	<20%
Lifetime	50000Hours at Tc=80°C	
Surge impulse test	L-N, 4KVAC; L(N)-FG, 6KVAC	
Environment	Working Temperature	-40°C / +50°C (at full load)
	Storage Temperature	-40°C/+80°C, 10-95% RH

DIMENSIONS



LABEL

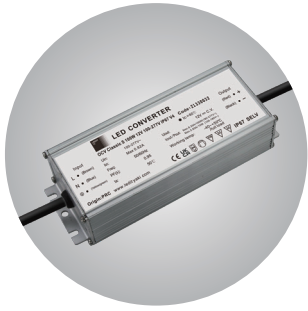
Input L • (Brown) N • (Blue) ⊕ • (Yellow/green)	Uin: 100-277V~ lin: Max. 0.36A Freq: 50/60Hz PF(λ): 0.92 ta: 50°C Working temp: -40~+50°C /full load	LED CONVERTER OCV Classic S 60W 12V 100-277V IP67 V1 Code:21330035	Uout: Iout/Pout:	12V == C.V. Max. 5A/60W(180-277V~) Max. 3A/36W(100-180V~)	Output (Red) • + (Black) • -
	CE UK CA IP67 SELV	tc=90°C Origin:PRC	www.ledityaki.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 Classic S 12V Outdoor Converter

100W



5 YEARS
50,000hrs
IP67



IP67



100-277 V/AC



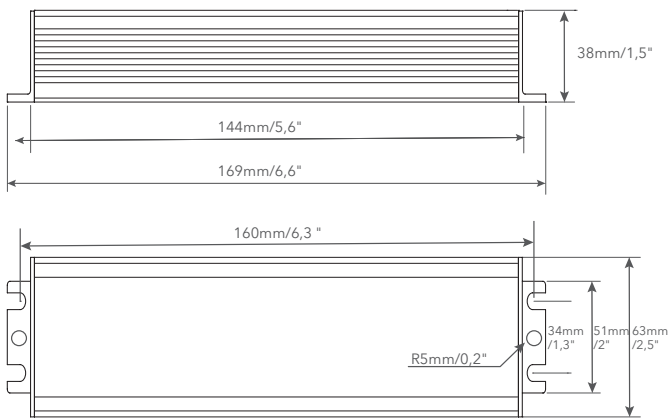
-40°/+50°C

CE UK CA IP67 SELV

FEATURES & BENEFITS

- ▶ SELV
- ▶ Full load: 100W at 220V and 70W at 110V
- ▶ Active Power Factor Correction over 0.90 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
- ▶ Metal casing fully encapsulated
- ▶ Complies with Class C in the full range load according to EN 61000-3-2

DIMENSIONS



TECHNICAL DATA

	21330032	OCV Classic S 100W 12V 100-277V IP67
Input	Rated supply voltage	100-277VAC
	Input voltage	90-305VAC
	Frequency range	47-63Hz
	Power factor	PF ≥0.90 at 230VAC (at full load)
	Efficiency	≥87,7% at 230VAC (at full load)
	Rated current	≤0.58A 230VAC 50Hz (at full load 100W) ≤0.82A 100VAC 50Hz (at full load 70W)
	Inrush current	Cold star: 60A Max./240VAC
Leakage current	≤0.7mA at 240VAC	
Output	Output voltage	12VDC(+/-5%)
	Output current	0.1-8.33A at 180-277VAC 0.1-5.83A at 100-180VAC
	Output power range	1.2-100W 1.2-70W
	Output ripple voltage	<5% (at full load)
	Start up time	0-1S / 100VAC, 0-0.5S / 277VAC
	Short circuit protection	Driver will recover when Short circuit condition removed if not damaged.
	Over-load protection	Yes - (see details in page 7)
Over-heat protection	110°C±10°C(RTH2) Driver will recover when over-heat condition removed.	
THD	<20%	
Lifetime	50000Hours at Tc=80°C	
Surge impulse test	L-N,6KVAC, L(N)-FG,6KVAC	
Environment	Working Temperature	-40°C / +50°C (at full load)
	Storage Temperature	-40°C/+80°C, 10-95% RH

LABEL

LED CONVERTER

Code: 21330032

Input **OCV Classic S 100W 12V 100-277V IP67 V4** **Output**

<p>L ● (Brown) Uin: 100-277V~</p> <p>N ● (Blue) lin: Max 0.82A</p> <p>⊕ ● (Yellow/green) PF(A): 0.95</p> <p>ta: 50°C</p>	<p>● tc = 80°C</p> <p>Uout: 12V == C.V.</p> <p>Iout/Pout: Max.8.33A/100W(180-277V~) Max.5.83A/70W (100-180V~)</p> <p>Working temp: -40~+50°C /full load</p>	<p>(Red) ● +</p> <p>(Black) ● -</p>
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Origin:PRC www.ledityaki.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 Classic S 12V Outdoor Converter

150W



5 YEARS
50,000hrs
IP67



IP67



100-277 V/AC



-40°/+50°C

CE UK CA IP67 SELV

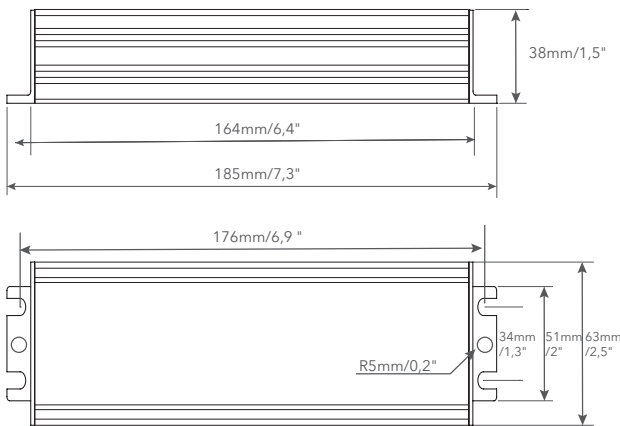
FEATURES & BENEFITS

- ▶ SELV
- ▶ Full load: 150W at 220V, and 105W at 110V
- ▶ Active Power Factor Correction over 0.95 at full load to allow power distribution at its maximum efficiency
- ▶ Efficiency over 89%
- ▶ 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

	21330049	OCV Classic S 150W 12V 100-277V IP67
Input	Rated supply voltage	100-277VAC
	Frequency range	47-63Hz
	Power factor	PF ≥0.95 at 230VAC (at full load)
	Efficiency	≥89% at 230VAC (at full load)
	Rated current	≤0.86A 230VAC 50Hz (at full load 100W) ≤1.31A 100VAC 50Hz (at full load 70W)
	Inrush current	Cold star: 60A Max./240VAC
	Leakage current	≤0.7mA at 277VAC
Output	Output voltage	12VDC(+/-5%)
	Output current	0.2-12.5A at 180-277VAC 0.2-8.75A at 100-180VAC
	Output power range	2.4-150W 2.4-105W
	Output ripple voltage	<5% (at full load)
	Start up time	0-1S / 100VAC, 0-0.5S / 277VAC
	Short circuit protection	Yes - (see details in page 7)
	Over-load protection	Yes - (see details in page 7)
	Over-heat protection	Yes - (see details in page 7)
THD	<20%	
Lifetime	50000Hours at Ta	
Surge impulse test	L-N, 6KVAC; L(N)-FG, 6KVAC	
Environment	Working Temperature	-40°C / +50°C (at full load)
	Storage Temperature	-40°C/+80°C, 10-95% RH

DIMENSIONS



LABEL

LED CONVERTER

●tc=90°C

OCV Classic S 150W 12V 100-277V IP67 V1 Code:21330049

Input		Output
L ● (Brown)	Uin: 100-277V~ lin: Max. 1.31A	Uout: 12V = C.V. (Red) ● +
N ● (Blue)	Freq: 50/60Hz	Iout/Pout: Max.12.5A/150W(180-277V~) Max.8.75A/105W(100-180V~) (Black) ● -
⊕ ● (Yellow/green)	PF(λ): 0.95 ta: 50°C	Working temp: -40~+50°C /full load

Origin:PRC www.ledityaki.com

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 Classic S 12V Outdoor Converter

200W



5 YEARS
50,000hrs
IP67



IP67



100-277 V/AC



-40°/+50°C

CE UK CA IP67 SELV

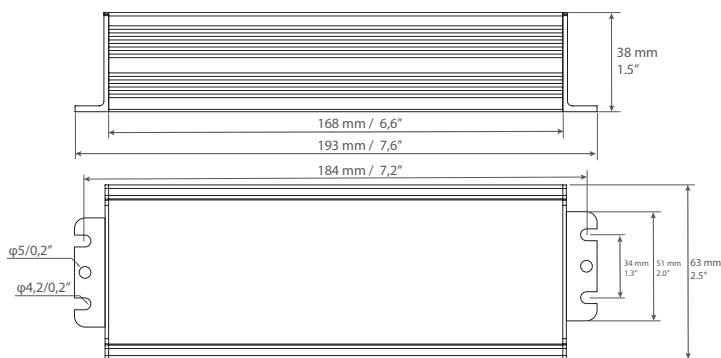
FEATURES & BENEFITS

- ▶ SELV
- ▶ Full load: 200W at 220V, and 140W at 100V
- ▶ Active Power Factor Correction over 0,95 at full load to allow power distribution at its maximum efficiency
- ▶ Efficiency over 89,4%
- ▶ 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

	21330039	OCV Classic S 200W 12V 100-277V IP67
Input	Rated supply voltage	100-277VAC
	Frequency range	47-63Hz
	Power factor	PF ≥0,95 at 230V (at full load)
	Efficiency	≥89,4% at 230VAC (at full load)
	Rated current	≤1.14A at 220VAC 50Hz (at full load 200W) ≤1.76A at 100VAC 50Hz (at full load 140W)
	Inrush current	95A at 277VAC, T50=10us (typical)
	Leakage current	≤0.7mA at 240VAC
Output	Output voltage	12VDC(+/-5%)
	Output current	0.2-16.7A at 180-277VAC 0.2-11.7A at 100-180VAC
	Max Output power range	2.4-200W 2.4-140W
	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)	
THD	<20%	
Lifetime	50000Hours at Ta	
Surge impulse test	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

LEDIT
LED CONVERTER $t_c=90^\circ\text{C}$ Code: 21330039

<p>Input</p> <p>L • (Brown)</p> <p>N • (Blue)</p> <p>⊕ • (Yellow/green)</p>	<p>Uin: 100-277V~</p> <p>lin: Max. 1.76A</p> <p>Freq: 50/60Hz</p> <p>PF(λ): 0.95</p> <p>ta: 50°C</p>	<p>Uout: 12V ~ C.V.</p> <p>Iout/Pout: Max.16.67A/200W(180-277V~)</p> <p>Max.11.7A/140W(100-180V~)</p> <p>Working temp: -40~+50°C /full load</p>	<p>Output</p> <p>(Red) • +</p> <p>(Black) • -</p>
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Origin:PRC www.ledityaki.com

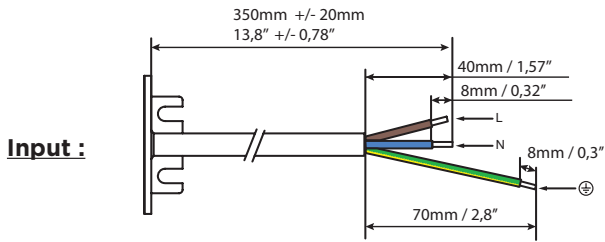
CE UK CA IP67 SELV

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.

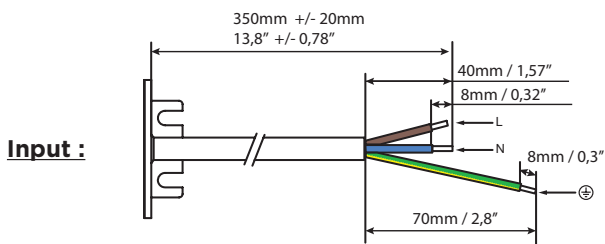
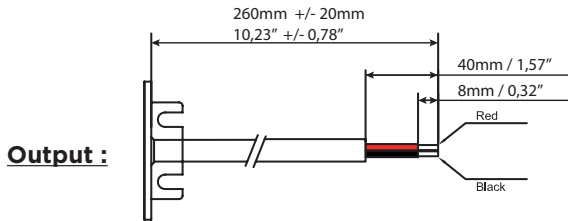
OCV Classic S 12V Outdoor Converter

CABLE



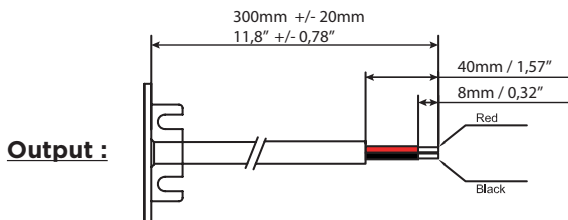
Cables type 150W:

- ▶ Input --> $\varnothing 7.4 \pm 0.2 \text{ mm} - 3 \times 1.0 \text{ mm}^2$
- ▶ Output --> $\varnothing 7.0 \pm 0.2 \text{ mm} - 2 \times 2.5 \text{ mm}^2$



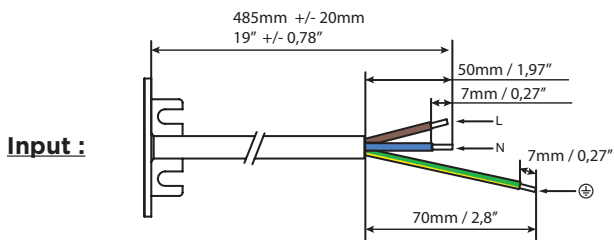
Cables type 100W:

- ▶ Input --> $\varnothing 7.4 \pm 0.2 \text{ mm} - 3 \times 1.0 \text{ mm}^2$
- ▶ Output --> $\varnothing 7.0 \pm 0.2 \text{ mm} - 2 \times 1.0 \text{ mm}^2$



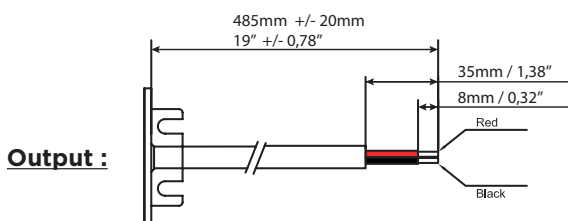
Cables type 200W:

- ▶ Input --> $\varnothing 9 \pm 0.2 \text{ mm} - 3 \times 1.0 \text{ mm}^2$
- ▶ Output --> $\varnothing 10.2 \pm 0.2 \text{ mm} - 2 \times 2.5 \text{ mm}^2$



Cables type 60W:

- ▶ Input --> $\varnothing 7.4 \pm 0.2 \text{ mm} - 3 \times 1.0 \text{ mm}^2$
- ▶ Output --> $\varnothing 7.0 \pm 0.2 \text{ mm} - 2 \times 1.0 \text{ mm}^2$



OCV Classic S 12V Outdoor Converter

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



EXPECTED LIFETIME

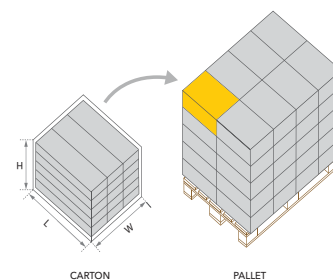
Type	Expected lifetime					
OCV Classic S 60W 12V	Ta 40°C	>90,000 hrs	Ta 50°C	>40,000 hrs	Ta 60°C	>20,000 hrs
	Tc 68°C		Tc 78°C		Tc 88°C	
OCV Classic S 100W 12V	Ta 40°C	>100,000 hrs	Ta 50°C	>50,000 hrs	Ta 60°C	>20,000 hrs
	Tc 67°C		Tc 77°C		Tc 87°C	
OCV Classic S 200W 12V	Ta 40°C	>60,000 hrs	Ta 50°C	>30,000 hrs	Ta 60°C	>10,000 hrs
	Tc 79°C		Tc 89°C		Tc 99°C	

MCB LOAD

Type	C10	C16	C20	B10	B16	B20
Installation Ø	1,5mm ²	1,5mm ²	2,5mm ²	1,5mm ²	1,5mm ²	2,5mm ²
OCV Classic S 60W	35	>50	>50	33	>50	>50
OCV Classic S 100W	11	27	27	8	12	18
OCV Classic S 200W	11	18	22	8	7	13

PACKAGING

	Type	SIZE - LxWxH (cm)	SIZE - LxWxH (ft)	Weight (Kg)	Weight (lb)	Nb of Pcs / box
CARTON	OCV Classic S 60W	31,5 x 29,1 x 22,5	1 x 1 x 0,7	12	26,4	20
PALLET	OCV Classic S 60W	126 x 87,3 x 105	4,1 x 2,9 x 3,4	576	1269,9	960
CARTON	OCV Classic S 100W	38,7 x 26 x 21,5	1,2 x 0,8 x 0,7	21	46,2	24
PALLET	OCV Classic S 100W	120 x 80 x 101	3,9 x 2,6 x 3,3	628	1384,5	864
CARTON	OCV Classic S 150W	34,5 x 24,1 x 25,5	1,1 x 0,8 x 0,8	19	41,9	20
PALLET	OCV Classic S 150W	120 x 80 x 91,5	3,9 x 2,6 x	590	1300,7	600
CARTON	OCV Classic S 200W	34,5 x 24,1 x 25,5	1,1 x 0,8 x 0,8	19	41,9	20
PALLET	OCV Classic s 200W	120 x 80 x 117	3,9 x 2,6 x 3,8	732	1613,8	800



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