

Model	Item Code	Output current	Input current	Input power	Output power range	PF	Efficiency	Output voltage	No load voltage
LV30W24CG-NX	158540	0.00-1.25A	≤0.19A	≤38.00W	0.00-30.00W	≥0.95	86%	24V	220-240VAC
LV60W24CG-NX	158550	0.00-2.50A	≤0.35A	≤72.00W	0.00-60.00W		87%		

*** Test result @230V, 50Hz, Full Load.**

1. Parameters

Category	Item	Technical Norm					
Features	Output Type	Constant Voltage					
	Dimmable Type	Non-dimmable					
	Output Features	Isolation SELV					
	IP Grade	IP20					
	Insulation Class	Class II					
Input	Rated Input Voltage	220-240VAC					
	Range of AC Input Voltage	176-264VAC					
	Range of DC Input Voltage	175-280VDC(EMI not evaluated)					
	Frequency	Rate:50/60Hz,Range:47~63Hz					
	Power Factor	≥0.95, 220-240VAC, Rated Load, see graphs					
	THD	≤10%	230VAC, Rated Load, see graphs				
	Standby Power Consumption	≤0.5W, @230VAC,NO Load					
	Inrush Current	Model	Ipeak	Ipeak (typ.)	Duration time	240Vac/50Hz, 90-degree phase, full load, cold start-up,duration time measure from 50%Ipkto 50%Ipk	
		30W	<30A	22A	310us		
		60W	<30A	26A	220us		

Output	Output Voltage	24VDC+5%			
	No load Voltage	24VDC+5%			
	Output Voltage Ripple	30W	<240mVPK-PK (0.5%)		
		60W	<240mVPK-PK (0.5%)		
	Line Regulation	±1%			
	Load Regulation	±2%			
	Overshoot	<105%Vo			
	Start-up Time	≤0.5S (220-240VAC)			
	Hold-up time & Turn off time (Typical)	Model	Hold-up time(mS)	Turn-off time(mS)	230VAC, LED Rated Load, Hold-up time measure from AC input turn-off to output voltage drop to 90%, turn-off time measure from AC input turn-off to output voltage drop to 10%
		30W	30	72.3	
		60W	22.8	62.8	
Efficiency	30W	≥85%	86% typ.	230VAC, Rated Load, at output terminals, see graphs	
	60W	≥86%	87% typ.		
Protection	Short Circuit Protection	Auto Recovery			
	Over Current Protection	120%-180%Io, Auto Recovery			
	Over Voltage Protection	110%-150%Vo, Auto Recovery			
	Insulation voltage	I/P to O/P,3KVac/5mA/1min			
	Insulation resistance	>100M ohm @ 500VDC			
	Leakage current	I/P to O/P < 250μA			
Environment	Ta/Operation Temperature	-25.....+45℃			
	Ts/Storage Temperature	-40.....+85℃			
	Tc/Enclosure Temperature For Safety	30W	80℃		
		60W	90℃		
	Humidity	5% 85%RH			
Construction	Atmosphere	86-108KPa			
	Connection Method	Terminal			
	Cable Terminals	Input		1 terminal block	
		Output	30W/60W	1 terminal block	
	Installation	Independent			
	Input Wire Cross Section	0.75mm²-1.5 mm²			
	Output Wire Cross Section	30W		0.5mm²-1.5 mm²	
		60W		0.75mm²-1.5 mm²	
	Output Cable Length	Max. 3M			
	Cable diameters range	Input		2.2-4mm or 9.5-10.5mm	
		Output & Dimming		2.2-4mm	
Dimension	30W/60W		300*30*16mm (L*W*H)		

Standards	Certification	CE, ENEC, SAA		
	Safety Standards	EN61347-2-13:2014/A1:2017,EN62384:2006/A1:2009, EN61347-1:2015,AS61347.2.13:2018, AS/NZS 61347.1:2016 Inc A1		
	EMC Standards	EN IEC 55015:2019,EN IEC 55015:2019/A11:2019 EN IEC 61000-3-2:2019,EN61547:2009, EN 61000-3-3:2013/A1:2019		
	Performance	EN62384		
	Surge	L-N:2KV		
Others	RoHS	2011/65/EU		
	MTBF	≥250KHours,Ta=25℃ (MIL-HDBK-217F)		
	Audible Noise	<24dB @ 10cm distance, 20dB background		
	Life Time	30W	≥80K Hrs	@230VAC , full load, see graphs. End of Life: Failure Rate<10%.
		60W	≥65K Hrs	
	Warranty	5years		

Remark:

- 1.All Parameters, if not specified, are measured at 230VAC/50Hz and 25℃ ambient temperature.
- 2.LED Driver is a component of the luminaires. Luminaires and wire layout will affect the EMC, please check the EMC with end products again.
- 3.Output ripple should be measured at the output end which has with 0.1uF/50V ceramic capacitance and 47uF/50V Aluminum capacitance connected in parallel. Measured using oscilloscope with bandwidth limited to 20MHz.

2. Connected quantities of different current Breaker

TYPE	LV30W24CG-NX Connected quantities of different current Breaker						Input Voltage	Inrush Current <25A	Time
	current (A)	10	13	16	20	25			
	Installation wire diameter	1.5mm ²	2.5mm ²	2.5mm ²	4mm ²	4mm ²			
TYPE B		27	35	44	55	68	@230VAC	22	310us
TYPE C		44	57	70	87	109			
TYPE D		70	91	112	140	175			

TYPE	LV60W24CG-NX Connected quantities of different current Breaker						Input Voltage	Inrush Current <30A	Time
	current (A)	10	13	16	20	25			
	Installation wire diameter	1.5mm ²	2.5mm ²	2.5mm ²	4mm ²	4mm ²			
TYPE B		23	30	37	46	58	@230VAC	26	220us
TYPE C		37	48	59	74	92			
TYPE D		59	77	95	118	148			

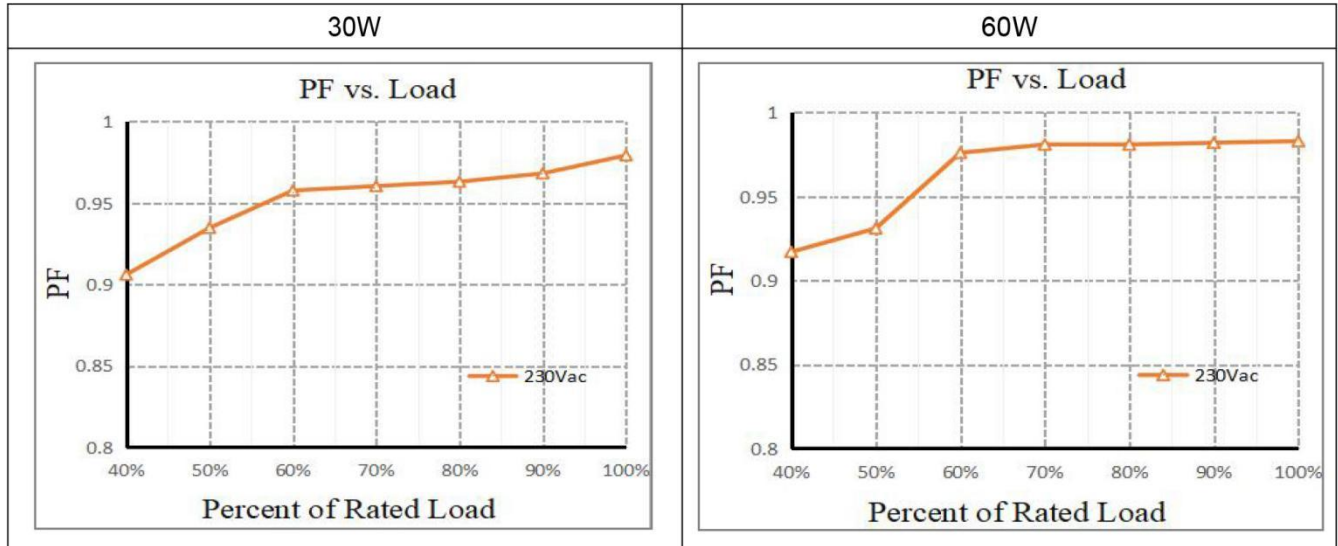
3. Label

☐ L ☐ N wire preparation (6mm) INPUT: 0.75-1.5" OUTPUT: 0.5-1.5"	NEXIVO LED Driver by KGP Electronics GmbH Hueckstraße 19 DE-58511 Lüdenscheld LV30W24CG-NX 158540 Constant Voltage Type For LED modules only	INPUT: 220-240V~ 50/60Hz 0.19A •tc OUTPUT: 24V =Max.1250mA Rated Power: Max.30W Power Factor(λ): ≥0.95 ta: -25...45°C tc: 80°C	 ☐ OUTPUT ☐ OUTPUT
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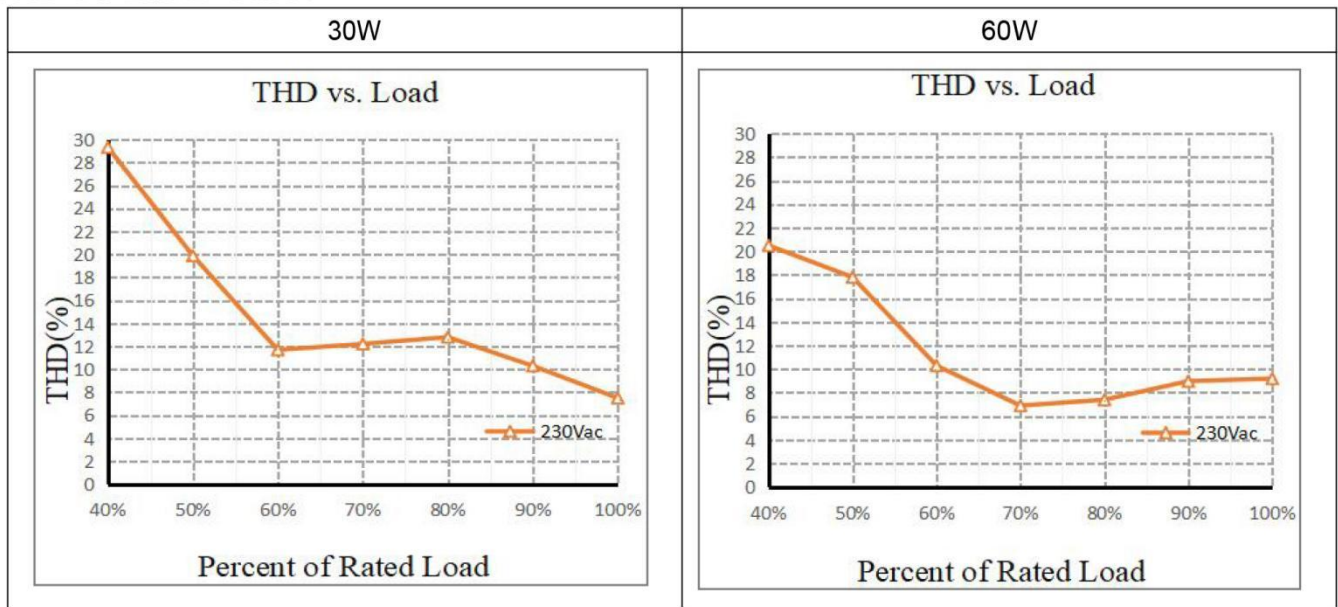
☐ L ☐ N wire preparation (6mm) INPUT: 0.75-1.5" OUTPUT: 0.75-1.5"	NEXIVO LED Driver by KGP Electronics GmbH Hueckstraße 19 DE-58511 Lüdenscheld LV60W24CG-NX 158550 Constant Voltage Type For LED modules only	INPUT: 220-240V~ 50/60Hz 0.35A •tc OUTPUT: 24V =Max.2500mA Rated Power: Max.60W Power Factor(λ): ≥0.95 ta: -25...45°C tc: 90°C	 ☐ OUTPUT ☐ OUTPUT
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4. Graph

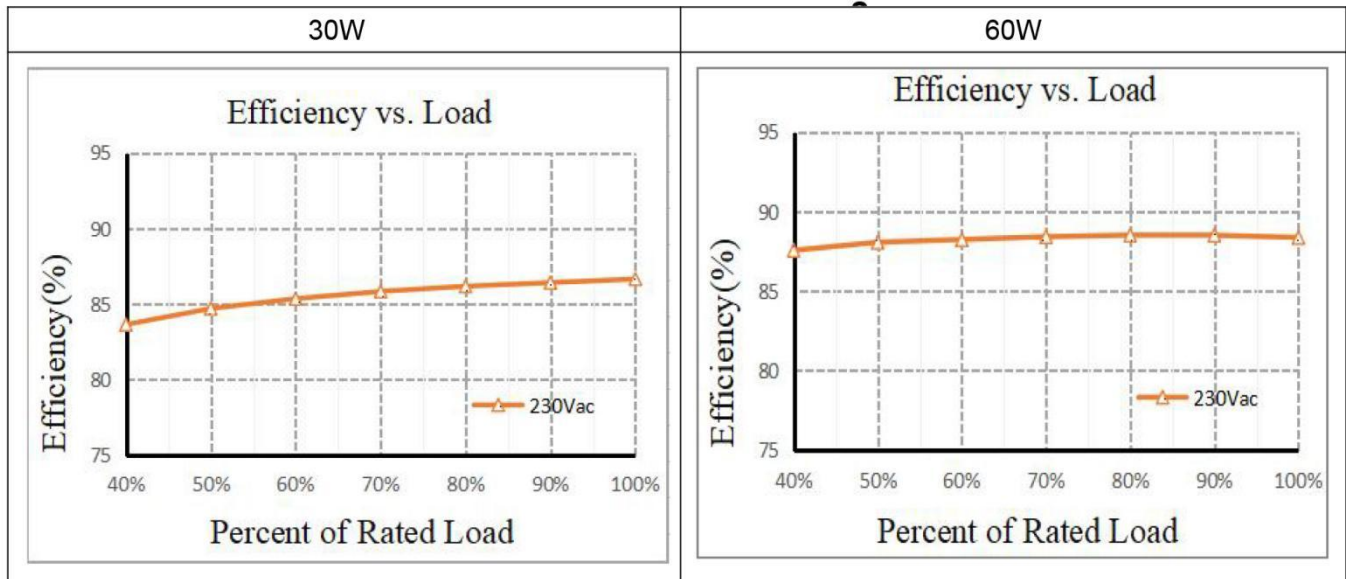
PF VS LOAD Curve



THD VS LOAD Curve

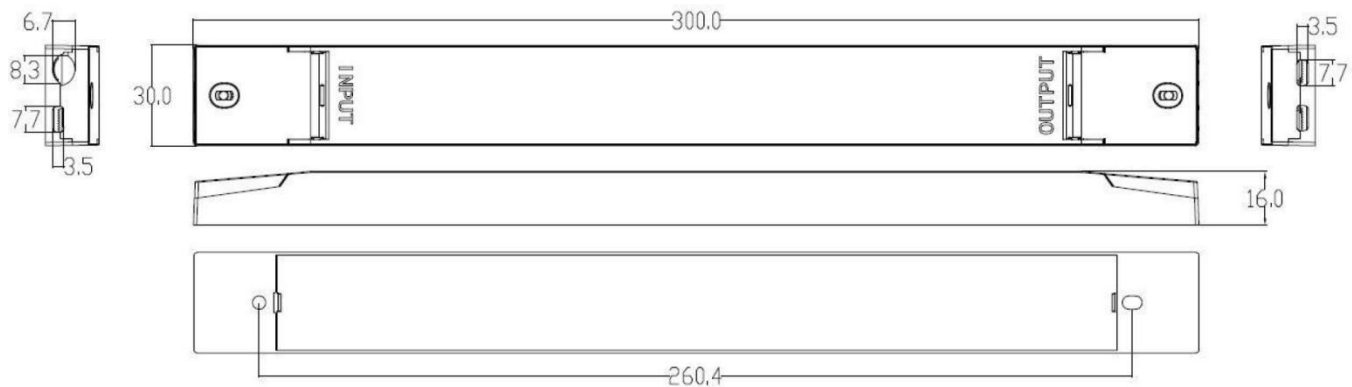


Efficiency VS LOAD Curve



5.Dimension (Unit: mm)

LV30W24CG-NX & LV60W24CG-NX:



6.Wiring instructions

- All connections must be kept as short as possible to ensure good EMI behaviour
- Mains leads should be kept apart from LED Driver and other leads (ideally 5 – 10 cm distance)
- Advice the maximum length of output wires is 3 m
- Secondary switching is not permitted (Except for constant voltage)
- Incorrect wiring can damage LED modules.
- The wiring must be protected against short circuits to earth (sharp edged metals parts, metal cable clips, louver, etc.)

7.Packing information

Packing way	Model	Carton L*W*H(mm)	Pcs/ Carton	Net weight/ Pcs(kg)	Net weight/ Carton(kg)	Gross weight / Carton(kg)
With white box and manual	LV30W24CG-NX	320*230*195	50	0.125	6.25	7.25
	LV60W24CG-NX	320*230*195	50	0.210	10.75	11.75
Without white box and manual	LV30W24CG-NX	440*345*155	60	0.125	6.25	6.75
	LV60W24CG-NX	440*345*155	60	0.210	10.75	11.25

8.Ordering data

Model No	Item code
LV30W24CG-NX	158540
LV60W24CG-NX	158550

9.Revision history

Date	Revision	Remark
2026.16.03	V0.01	Product release
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