NEXIVO
by KGP Electronics GmbH

LV250W48CG-NX

Constant Voltage Driver

Model:LV250W48CG-NX



Model	Item Code	Output current	Input current	Input power	Output power range	PF	Efficiency	Output voltage
LV250W48CG-NX	158660	0-5208mA	≤1.5A	268.00W	0-250W	≥0.95	93%	48V

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

1. Parameters

Category	Item	Technical Norm
Features	Output Type	Constant Voltage
	Output Features	Isolation
	IP Grade	IP20
	Insulation Class	Class II
Input	Rated Input Voltage	220-240VAC
	Range of Input Voltage	198-264VAC
	Frequency	50/60Hz, Range:47-63Hz
	Overvoltage protection	N/A
	Input Current	≤1.5A max
	Input Power	≤268.00W max
	Power Factor	≥0.95 (230VAC，full load)
	THD	≤7% (230VAC，full load)
	No-load Power Consumption	≤0.5W (230VAC，full load)
	Inrush Current	≤76A/310us (230VAC，full load)
	Connected quantity of 10A Breaker	2pcs/type A ; 4pcs/type B ;6pcs/type C
	Connected quantity of 13A Breaker	3pcs/type A ;5pcs/type B ;8pcs/type C
	Connected quantity of 16A Breaker	4pcs/type A ;6pcs/type B ;10pcs/type C
	Connected quantity of 20A Breaker	5pcs/type A ;8pcs/type B ;13pcs/type C

KGP Electronics GmbH
Hueckstraße 19
DE-58511Lüdenscheid

NEXIVO
by KGP Electronics GmbH

LV250W48CG-NX

Output	Output Voltage	48VDC+5%	
	No Load Voltage	48VDC+5%	
	Line Regulation	±1%	
	Load Regulation	±2%	
	Overshoot	<105%Vo	
	Output Voltage Ripple	<240mVPK-PK (0.5%)	
	Start-up Time	Start-up time <0.5s @ power switch on without DALI control. Start-up time <1s @ DALI system on.	
	Hold-up time(mS)	16.2	(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 90%
	Turn-off time(mS)	676	
	Efficiency	≥92% typ.	230VAC, Rated Load,
		93% max.	at output terminals
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	-25….+90℃	
	Tc/Enclosure Temperature	90℃	
	Humidity	5%85%RH	
	Atmosphere	86-108KPa	
Construction	Connection Method	Push-in Terminal	
	Installation	Independent	
	Output Cable Length	Max. 3M	
	Input Wire preparation	0.75-1.5□ / 8-9mm	
	Output Wire preparation	1-2.5□/ 8-9mm	
	SEC Wire preparation	0-0.8±0.05m (The EMC test results were achieved at approximately 0.8 meters) (the length required by the standard). If there are any data differences, please test according to the length required by the standard)	
	Dimension	400*40*22mm (L*W*H)	
Standards	Certification	CE	
	Safety Standards	EN61347-1:2015/A1:2021; EN61347-2-13:2014/A1:2017;	
	Performance	EN62384	
	Surge	L-N:2kV	
Others	RoHS	Complied to 2011/65/EU	
	MTBF	≥250KHours,Ta=25℃(MIL-HDBK-217F)	

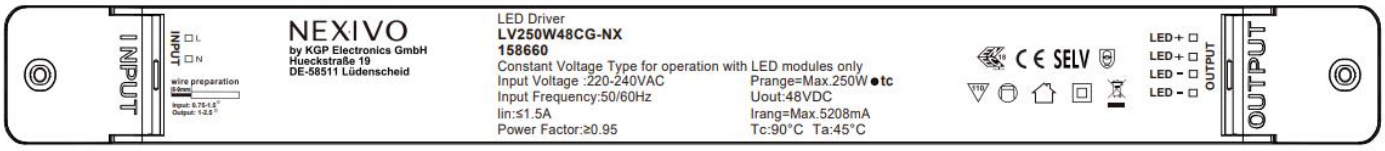
KGP Electronics GmbH
Hueckstraße 19
DE-58511Lüdenscheid

	Life Time	50000h Tc=90℃
		75000h Tc=85℃
		100000h Tc=80℃
	Warranty	5years ， F.R. < 10000ppm

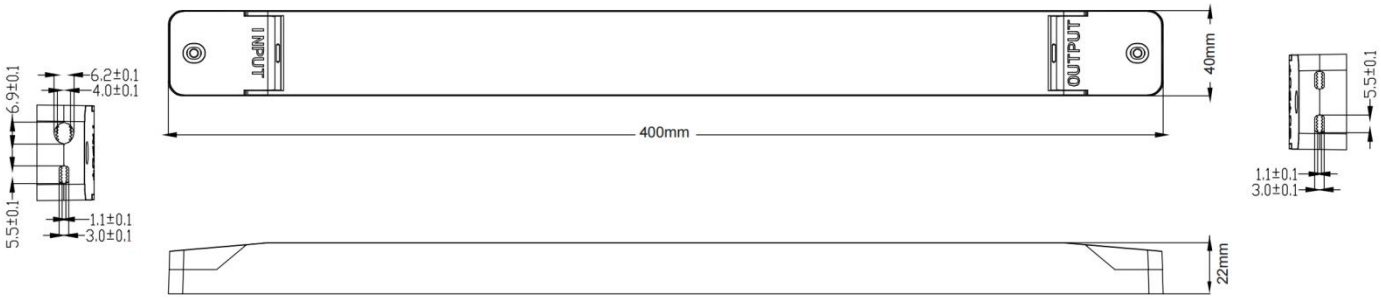
Remark:
1.All Parameters,if not specified,are measured at 230VAC/50Hz and 25℃ ambient temperature.
2.LED Driver is a component of the luminaires. Luminaires and wire layout will affect the EMC, please check the EMC with end products again.
3.Output wire lenght up to 50m.

Distance	15m	30m	50m
Cable selection	0.5mm²	0.75mm²	1.0mm²

2. Label



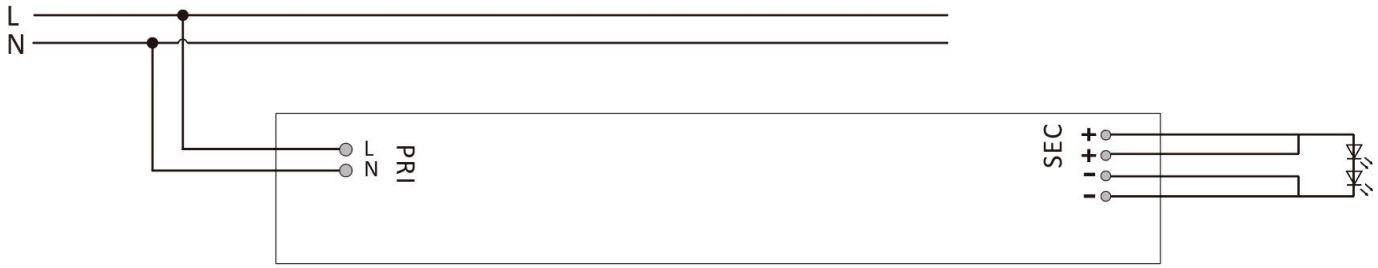
3. Dimension（Unit：mm）



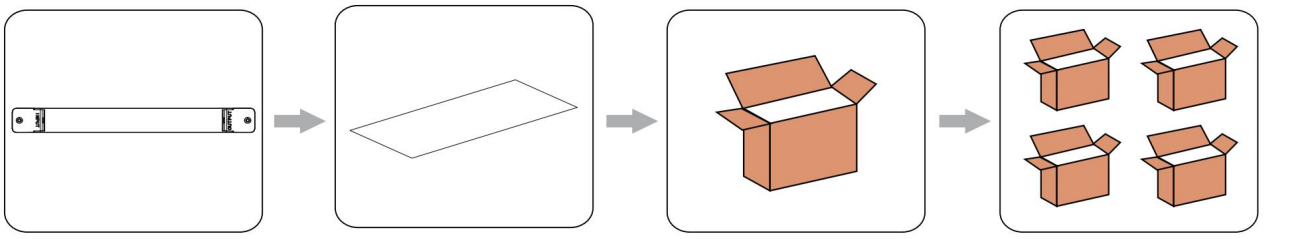
4. Wiring Diagram

Circuit diagram

220-240 V
50/60 Hz



5. Packing information



Product | Kraft linerboard /Plastic paper | 20 per small box | 20sets/box*4boxs=80pcs/Carton

Carton L*W*H(mm)	Pcs/Carton	Net weight/ Pcs(kg)	Net weight/ Carton(kg)	Gross weight / Carton(kg)
T.B.D	T.B.D	T.B.D	T.B.D	T.B.D

KGP Electronics GmbH
Hueckstraße 19
DE-58511Lüdenscheid

6. Ordering Data

Model No	Item code
LV250W48CG-NX	158660

7. REVISION HISTORY

Date	Revision	Remark
2026.16.03	V0.01	Product release
2026.27.06	V0.02	Add the logo for applying for ENEC certification
2026.28.07	V0.03	Label，update images，Wiring Diagram

KGP Electronics GmbH
Hueckstraße 19
DE-58511Lüdenscheid