CV60W24CG-1

Constant Voltage Driver

Model : CV60W24CG-1

Model	Input Current	Input Power	Output Power Range	PF	Efficiency	Output Voltage	Output Current	No load Voltage
CV60W24CG-1	≤0.35A	≤69W	3-60W	≥0.95	88%	24V	0.125-2.5A	23~25V

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

1. Parameters

Category	Item	Technical Norm
Features	Output Type	Constant Voltage
	IP Grade	IP20
	Insulation Class	Class Ⅱ
Input	Rated Input Voltage	220-240VAC
	Range of Input Voltage	198-264VAC or 200-280VDC
	Frequency	50/60Hz
	Input Current	≤0.35A
	Input Power	≤ 69W
	Power Factor	≥0.95@230V,50HZ,Full Load
	THD	≤10%@230V,50HZ,Full Load
	No-load Power Consumption	≤0.5W
Output	Voltage Accuracy	±5%
	Max. Output Power	60W
	Started Delay Time	≤0.5S (230VAC，full load)
	Voltage Ripple	±2% (< 120 Hz)
	PstLM	≤1
	SVM	≤0.4
Protection	Short Circuit Protection	Auto Recovery
	Overload Protection	Auto Recovery
	No-load Protection	Auto Recovery
	Insulation voltage	I/P to O/P , 3KVac/1min,I/P to PE 1.5Kac/1min
	Insulation resistance	>100M ohm @ 500VDC
	Leakage current	I/P to O/P < 250 μA
Environment	Ta/Operation Temperature	-20...+50℃
	Ts/Storage Temperature	-40...+85℃
	Tc/Enclosure Temperature	90℃
	Humidity	10%..... 90%RH
	Atmosphere	86-108KPa

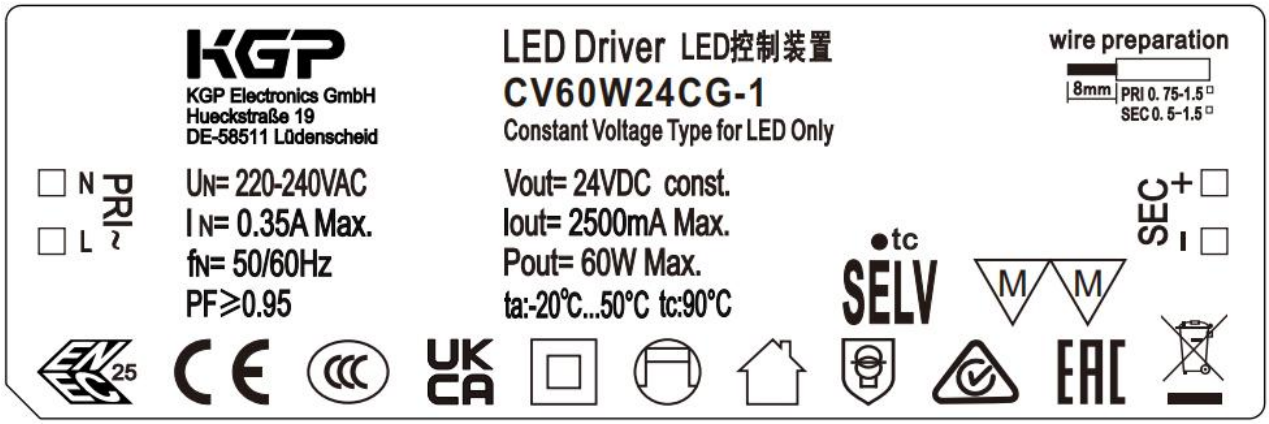
KGP Electronics GmbH
Hueckstraße 19
DE-58511 Lüdenscheid

Construction	Connection Method	Push-in Terminal
	Installation	Independent
	PRI Wire preparation	0.75-1.5□
	SEC Wire preparation	0.5-1.5□
	Dimension	151.5X40.2X31mm (L*W*H)
Standards	Certification	CE,ENEC, SAA, UKCA
	Safety Standards	EN61347-2-13:2014/A1:2017 EN62493:2015,EN613471:2015/A1:2021 AS61347.2.13:2018, AS/NZS61347.1:2016 Inc A1
	EMC Standards	EN IEC 55015:2019 EN IEC 55015:2019/A11:2020 EN IEC 61000-3-2:2019 EN 61000-3-3:2013/A1:2019 EN61547:2009
	Performance	EN62384
	Surge	L-N/2KV L N-PE/2KV
Others	RoHS	complied to 2011/65/EU
	Life Time	50000h Ta /Tc
	Warranty	5years , F.R. < 10000ppm
	Noise	⩽ 24dB @Background noise ⩽18dB， Interval⩾ 15cm
Remark All Parameters, if not specified, are measured at 230VAC/50Hz and 25℃ ambient temperature. LED Driver is a component of the luminaires ,Luminaires and wire layout will affect the EMC, please check the EMC with end products again.		

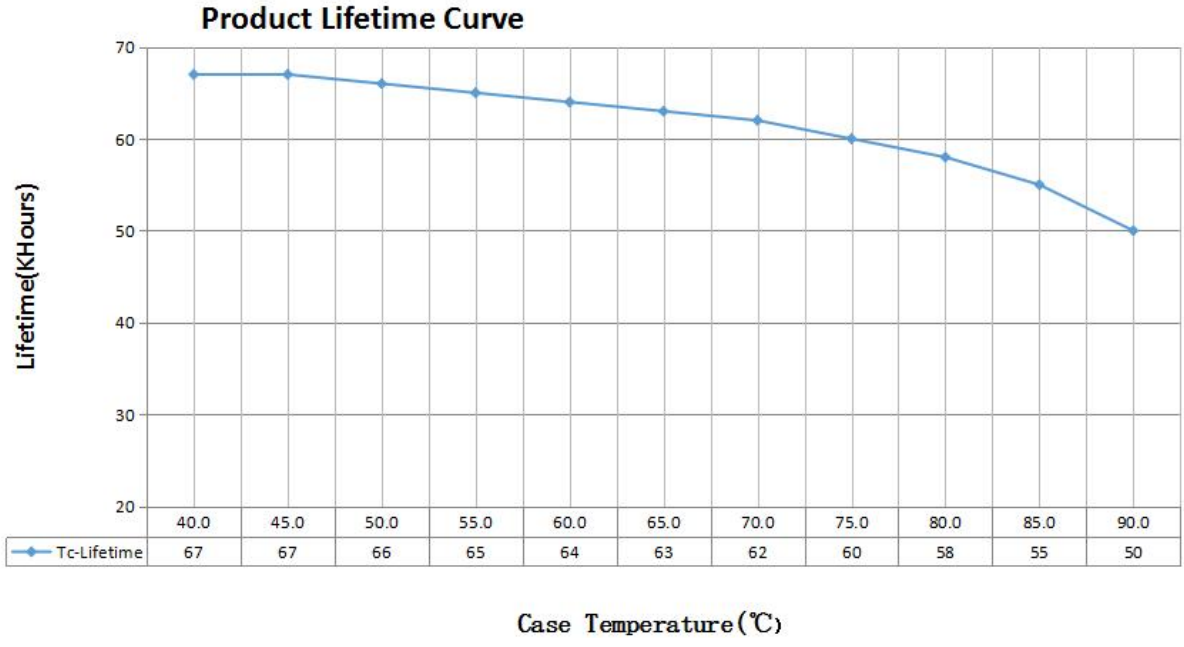
2. Connected quantities of different current Breaker

TYPE	Connected quantities of different current Breaker						Input Voltage	Inrush Current	Time
	current（A）	10	13	16	20	25			
	Installation wire diameter	1.5mm²	2.5mm²	2.5mm²	4mm²	4mm²			
TYPE B		13	17	21	27	33	@230VAC	45	300uS
TYPE C		21	28	34	43	53			
TYPE D		34	44	55	68	85			

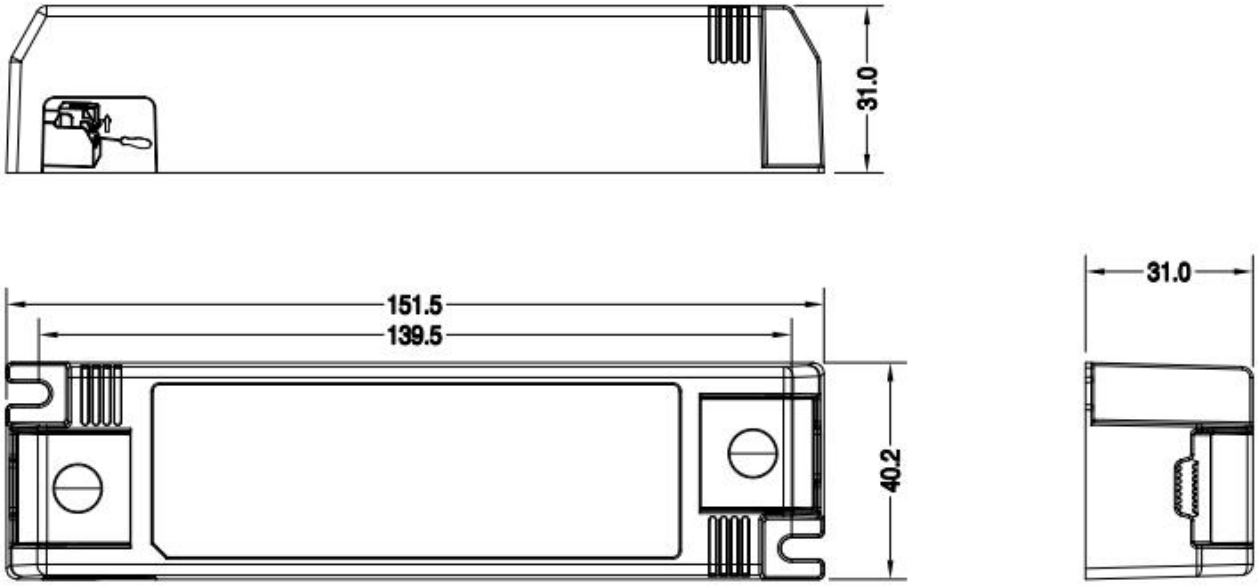
3. Label



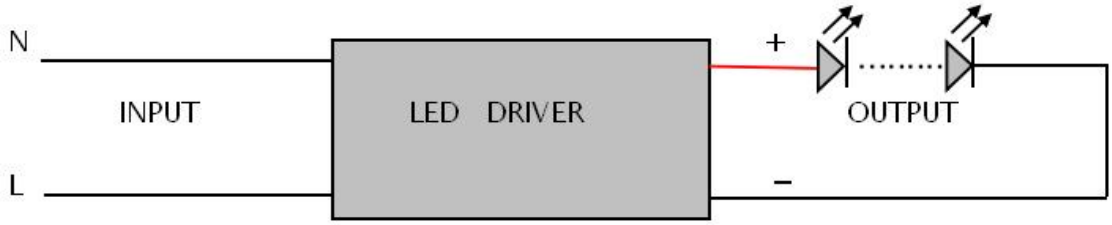
4. Lifetime curve



5. Dimension （Unit：mm）



6. Wiring Diagram



7. Packing information

Packing way	Carton L*W*H(mm)	Pcs/Carton	Net weight/ Pcs(kg)	Net weight/ Carton(kg)	Gross weight / Carton(kg)
With white box and manual	420*280*180	50	0.201	10.585	9.58
Without white box and manual	320*230*195	40	0.201	8.04	8.62

8. 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.)

9. REVISION HISTORY

DATE	VER	REMARK
2023-02-01	V1.0	Initial release.
2024-04-19	V1.1	Update the label