



Model	Output Current	Input Current	Input Power	Output Power Range	PF	Efficiency (typ.)*	Output Voltage	No load Voltage
CC36W150-900 1-10	150mA	0.05A	9.0W	0.38-7.50W	0.76	83%	2.5-50V	60V Max.
	200mA	0.06A	11.7W	0.50-10.00W	0.82	85%		
	250mA	0.07A	14.3W	0.63-12.50W	0.86	87%		
	300mA	0.08A	17.0W	0.75-15.00W	0.89	88%		
	350mA	0.09A	19.8W	0.88-17.50W	0.90	88%		
	400mA	0.10A	22.4W	1.00-20.00W	0.92	89%		
	450mA	0.11A	25.2W	1.13-22.50W	0.93	89%		
	500mA	0.12A	28.0W	1.25-25.00W	0.93	89%		
	550mA	0.14A	30.8W	1.38-27.50W	0.94	89%		
	600mA	0.15A	33.7W	1.50-30.00W	0.95	89%		
	650mA	0.16A	36.5W	1.63-32.50W	0.95	89%		
	700mA	0.17A	38.8W	1.75-35.00W	0.95	90%		
	750mA	0.16A	35.3W	1.88-31.50W	0.95	89%	2.5-42V	
	800mA	0.17A	37.7W	2.00-33.60W	0.95	89%		
	850mA	0.18A	40.1W	2.13-35.70W	0.96	89%		
	900mA	0.18A	40.4W	2.25-36.00W	0.96	89%	2.5-40V	

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

1. Parameters

category	Item	Technical Norm
Features	Output Type	Constant Current
	Dimming range	0%-100%
	IP Grade	IP20
	Insulation Class	Class II
Input	Rated Input Voltage	220-240VAC
	Range of Input Voltage	198-264VAC
	Range of DC Input Voltage	180-280VDC
	Frequency	0/50/60Hz, Range:0/47-63Hz
	Overvoltage protection	2h@380VAC, 48h@320VAC
	Input Current	≤0.18A max
	Input Power	≤40.4W max
	Power Factor	≥0.96 (230VAC, full load)
	THD	≤9% (230VAC, full load)
	No-load Power Consumption	≤0.5W (230VAC, full load)
	Inrush Current	≤8.5A/16us (230VAC, full load)
	Connected quantity of 10A Breaker	23pcs/type A ; 37pcs/type B ; 59pcs/type C
	Connected quantity of 16A Breaker	37pcs/type A; 59pcs/type B ; 94pcs/type C
Connected quantity of 20A Breaker	46pcs/type A; 74pcs/type B ; 118pcs/type C	
Output	Output Voltage	2.5-50VDC@150-700mA 2.5-42VDC@750-850mA 2.5-40VDC@900mA
	No Load Voltage (Uout)	60VDC Max.
	Output Current	150-900mA (Factory set current of 150mA)
	Max. Output Power	36W
	Efficiency	≥90% (230VAC, full load@max current)
	Output LF current ripple (< 120 Hz)	±3% (Imax-Imin) / (Imax+Imin)
	Current Accuracy	±5%
	Output PstLM (at full load)	≤1
	Output SVM (at full load)	≤0.4
Starting Time (AC mode)	≤0.5S (230VAC, full load)	
Protection	Short Circuit Protection	Auto Recovery
	Overload Protection	Auto Recovery (not be hot swap)
	No-load Protection	Auto Recovery
	Insulation voltage	3000V 5mA 60S between P-S
	Insulation resistance	>100M ohm @ 500VDC
	Leakage current	< 700μA, I/P to O/P @230V input

Environment	Ta/Operation Temperature	-20....+50°C
	Ts/Storage Temperature	-20....+90°C
	Tc/Enclosure Temperature	90°C
	Humidity	10%....90%RH
	Atmosphere	86-108KPa
Construction	Connection Method	Push-in Terminal
	Installation	Built-in & Independent
	PRI Wire preparation	0.5-1.5 [□] / 8-9mm
	SEC Wire preparation	0.3-0.5 [□] / 8-9mm
	Dimension	128*30*21mm (L*W*H)
Standards	Certification	CE/ENEC/SAA/UKCA/EAC/CB
	Safety Standards	EN61347-1:2015/A1:2021; EN61347-2-13:2014/A1:2017; EN62384:2006/A1:2009; AS 61347.2.13:2018; AS/NZS61347.1:2016; BS EN61347-1:2015/A1:2021; BS EN61347-2-13:2014/A1:2017; IEC 61347-1:2015+A1:2017; IEC 61347-2-13:2014+A1:2016;
	EMC Standards	AS/NZS CISPR 15:2011; AS CISPR 15:2017; BS EN IEC 55015:2019+A11:2020; EN 61547:2009; BS EN IEC 61000-3-2:2019; BS EN 61000-3-3:2013+A1:2019;
	Performance	EN 62384
	Surge	L/N-Ground:2kV; L-N:1kV
Others	RoHS	2011/65/EU
	Life Time	50000h Tc=90°C
		75000h Tc=85°C
		100000h Tc=80°C
Warranty	5years , F.R. < 10000ppm	

Remark: 1.All Parameters, if not specified, are measured at 230VAC/50Hz and 25°C 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.

Distance	5m	15m	30m	50m
Cable selection	0.3mm ²	0.5mm ²	0.75mm ²	1.0mm ²

2. Label



KGP Electronics GmbH CC36W150-900 1-10 LED Dimmable Driver tc=90°C
 Hueckstraße 19 Constant Current Type for operation with LED modules only ta=50°C
 DE-58511 Lüdenscheid PRI:220-240VAC 0/50/60Hz Max. 0.24A U-OUT:65VDC Max. 36W
 SEC:150-900mA 2.5-50VDC ●tc Range of application:DC 180-280V

Pout [W]	Iout [mA]	λ	1	2	3	4	Pout [W]	Iout [mA]	λ	1	2	3	4
7.5	150	0.76C	-	-	-	-	27.5	550	0.95	ON	-	-	-
10.0	200	0.82C	-	-	-	ON	30.0	600	0.96	ON	-	-	ON
12.5	250	0.87C	-	-	ON	-	32.5	650	0.96	ON	-	ON	-
15.0	300	0.90C	-	-	ON	ON	35.0	700	0.96	ON	-	ON	ON
17.5	350	0.92C	-	ON	-	-	31.5	750	0.96	ON	ON	-	-
20.0	400	0.93C	-	ON	-	ON	33.6	800	0.97	ON	ON	-	ON
22.5	450	0.94C	-	ON	ON	-	35.7	850	0.97	ON	ON	ON	-
25.0	500	0.94C	-	ON	ON	ON	36.0	900	0.97	ON	ON	ON	ON

N L
 PE
 wire preparation 8-9mm
 PRI: 0.5-1.5[□]
 SEC: 0.3-0.5[□]

CE SELV
 110V
 EL
 1-10Vdc
 SEC: -
 +
 -
 +

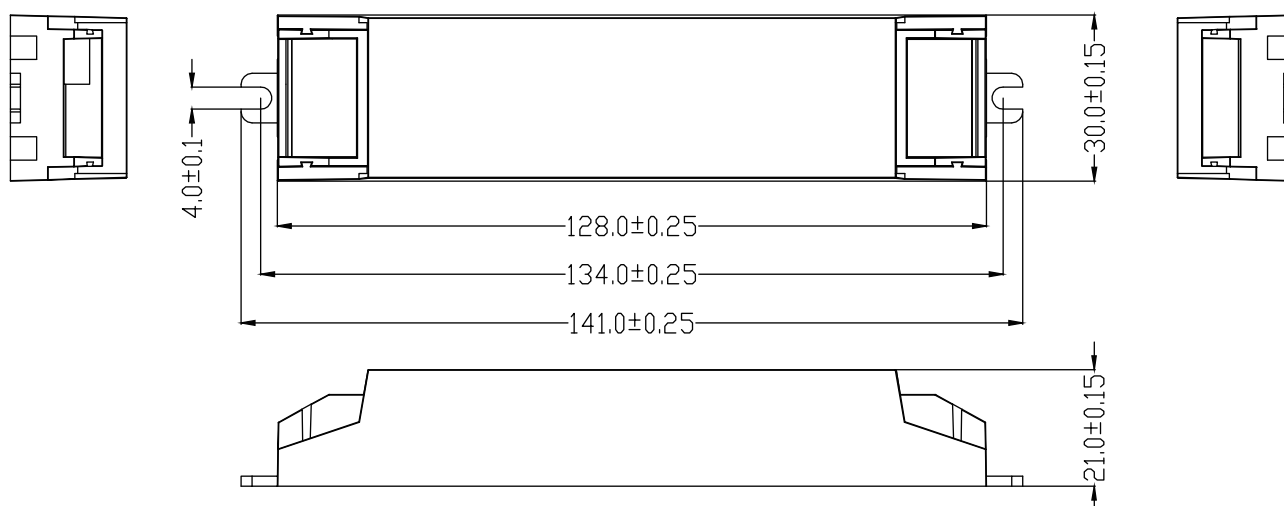


3. Output Current Setting

Output Current	1	2	3	4
150mA	-	-	-	-
200mA	-	-	-	ON
250mA	-	-	ON	-
300mA	-	-	ON	ON
350mA	-	ON	-	-
400mA	-	ON	-	ON
450mA	-	ON	ON	-
500mA	-	ON	ON	ON
550mA	ON	-	-	-
600mA	ON	-	-	ON
650mA	ON	-	ON	-
700mA	ON	-	ON	ON
750mA	ON	ON	-	-
800mA	ON	ON	-	ON
850mA	ON	ON	ON	-
900mA	ON	ON	ON	ON

4. Dimension (Unit: mm)

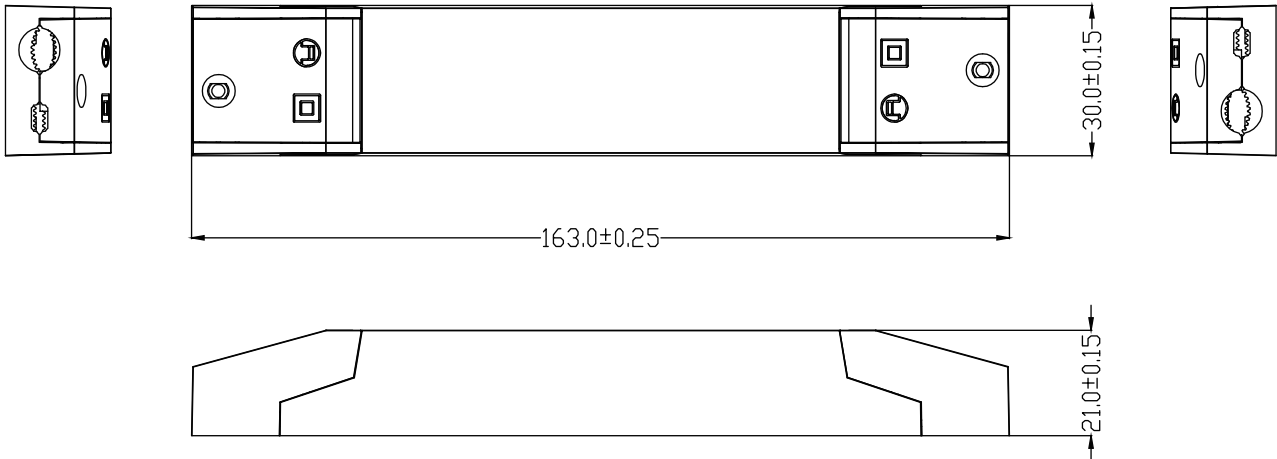
Built in type:



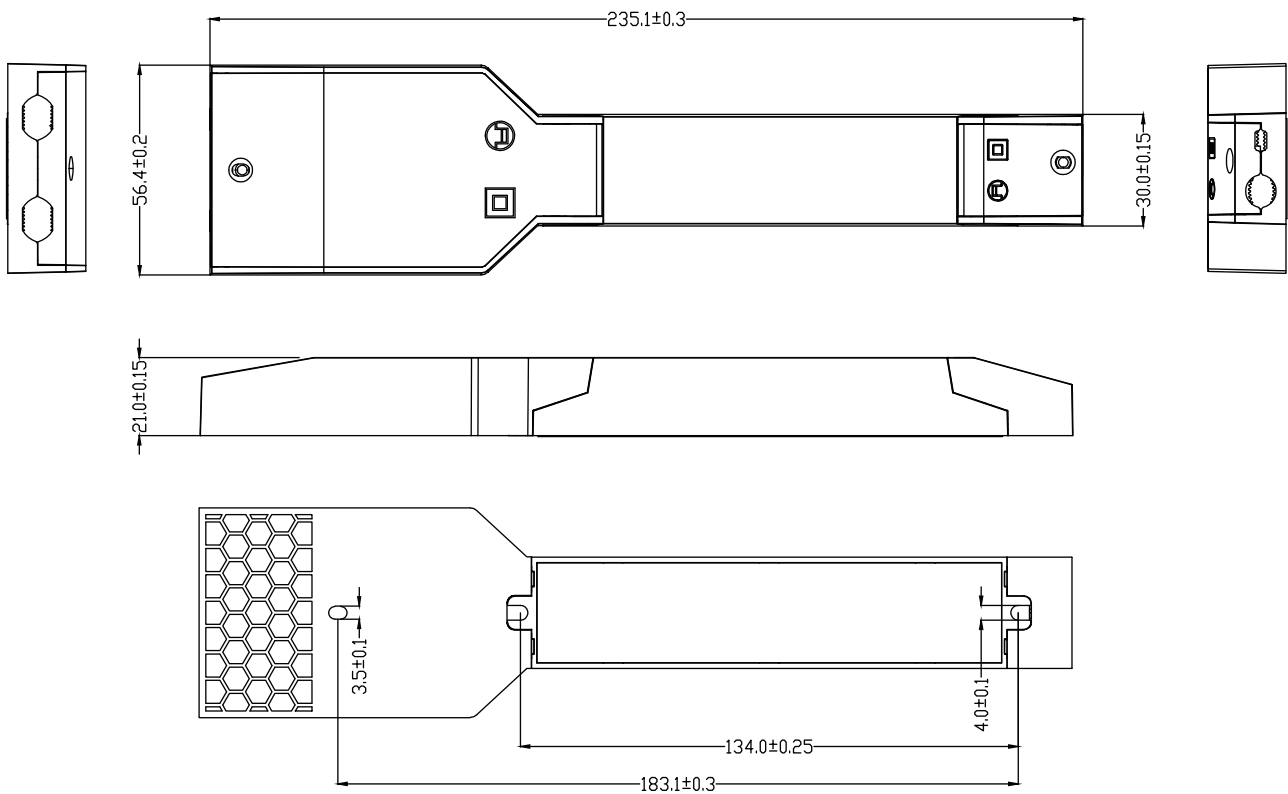
Compatible Small Strain reliefs:SR_CC15-23-36

Compatible Large Strain reliefs:SR_CC15-23-36_5POL

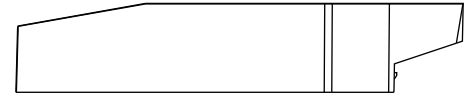
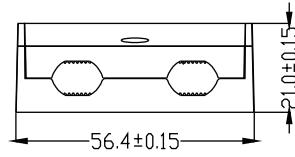
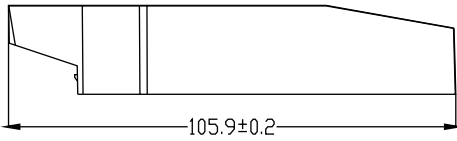
Small Strain reliefs



Large Strain reliefs



Large Strain reliefs specifications



Tolerance for dimensions ± 0.1 mm

Mechanical, Operating & Storage Conditions

Driver cross-section dimensions: 55.4-57.4 x 20.0-22.0 mm

Wire size: 0.5 - 2.5 mm²

Ambient temperature range: -20...+50 °C

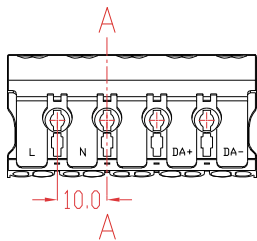
Storage temperature range: -20...+85 °C

Assembly temperature range: +5...+30 °C

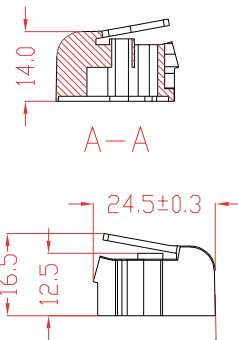
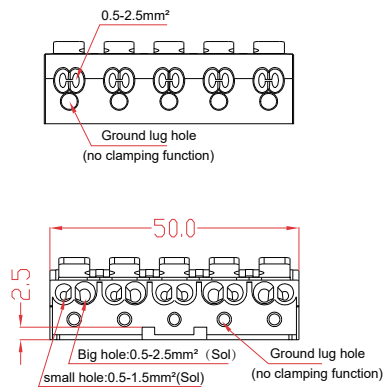
Do not store in wet or humid environment!

* Unless otherwise stated in the driver datasheet (for independent installation).
Note! Tc max temperature of the driver shall not be exceeded.

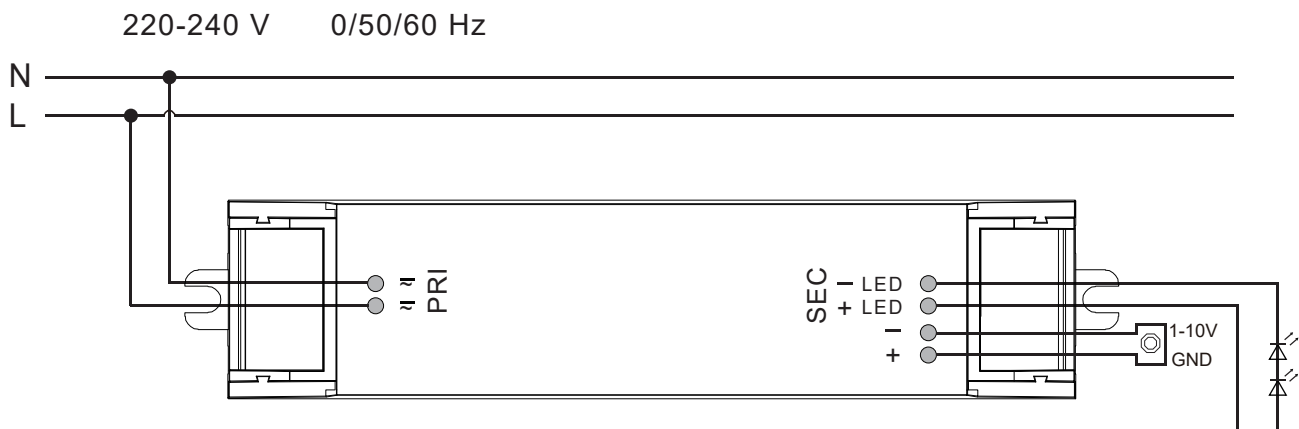
Terminal



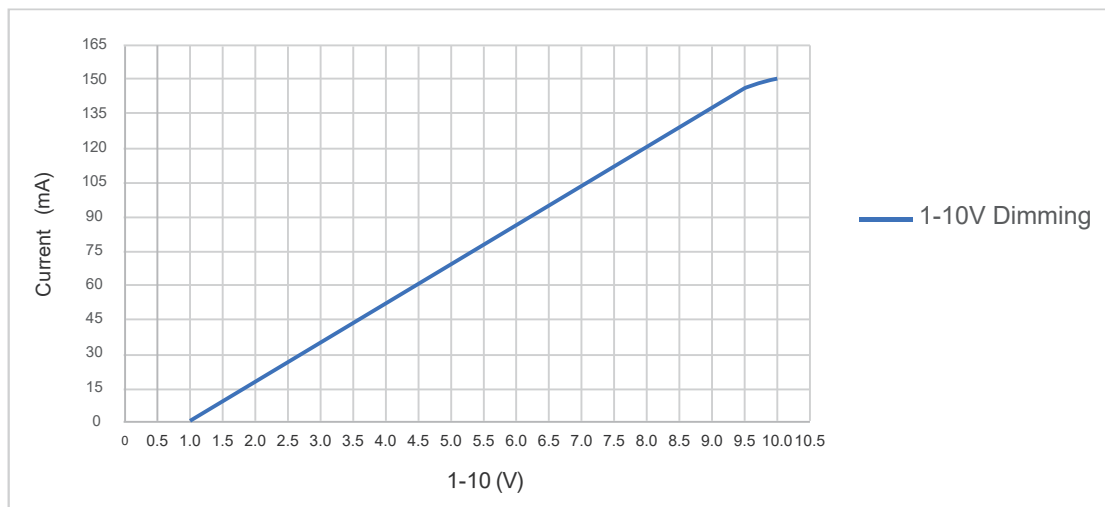
5 - pole connector for DA / CC drivers with LC-SRB-LOOP



5. Wiring Diagram

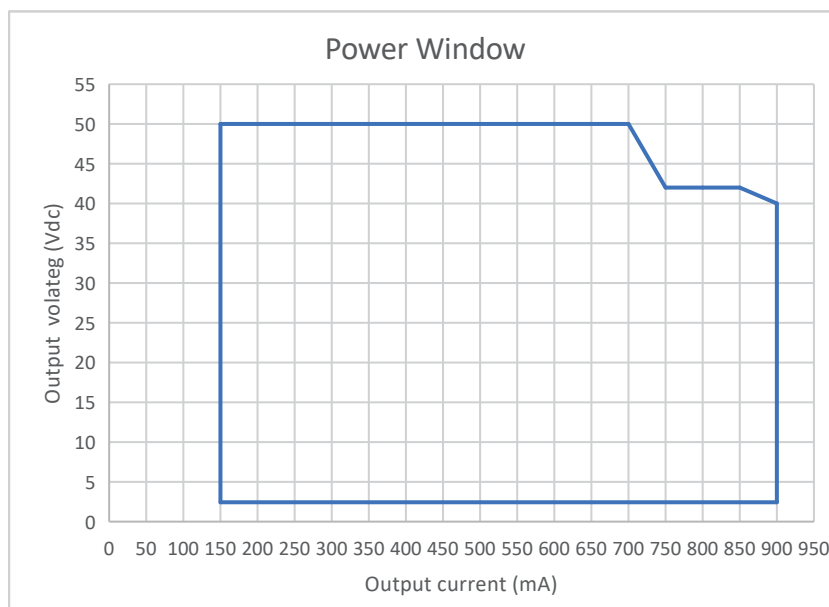


6. 0-10V Dimming Current curve (DIP setup output current @ 150mA)

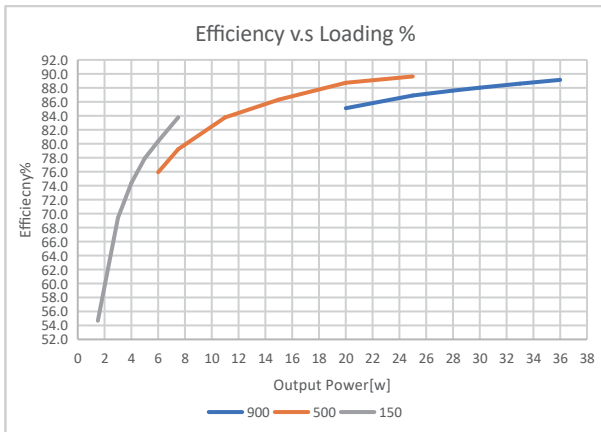


7. Electrical values

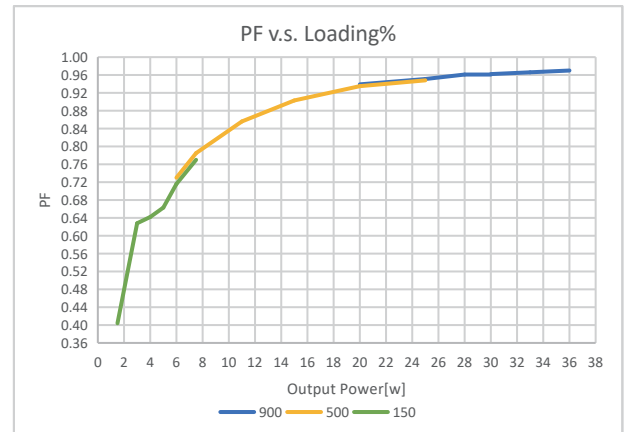
1. Operating power windows



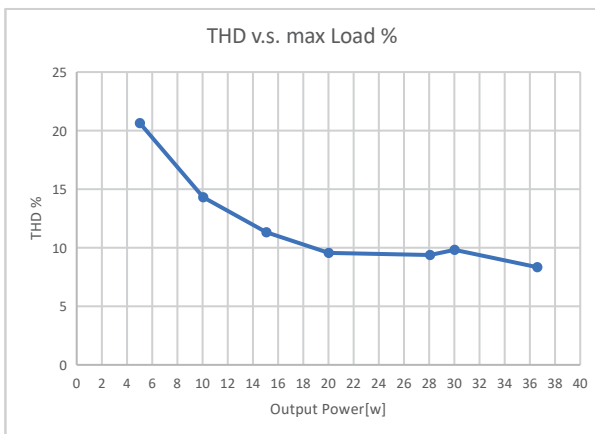
2. Efficiency v.s. Load



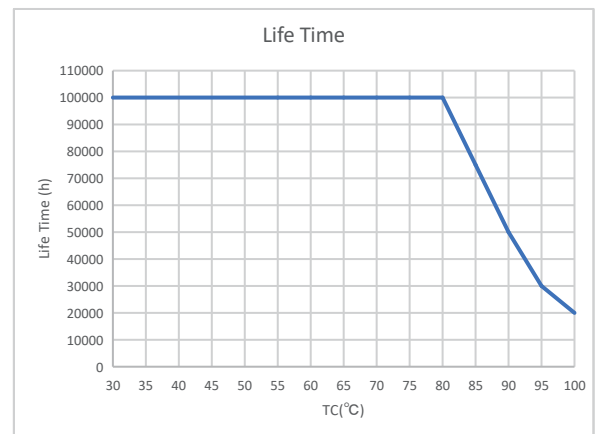
3. PF v.s. Load



4. THD v.s. Load

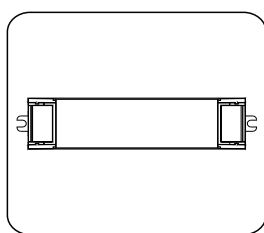


5. Life time

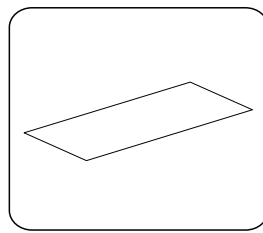


8. Packing information

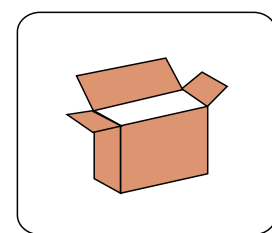
Built in type



Product



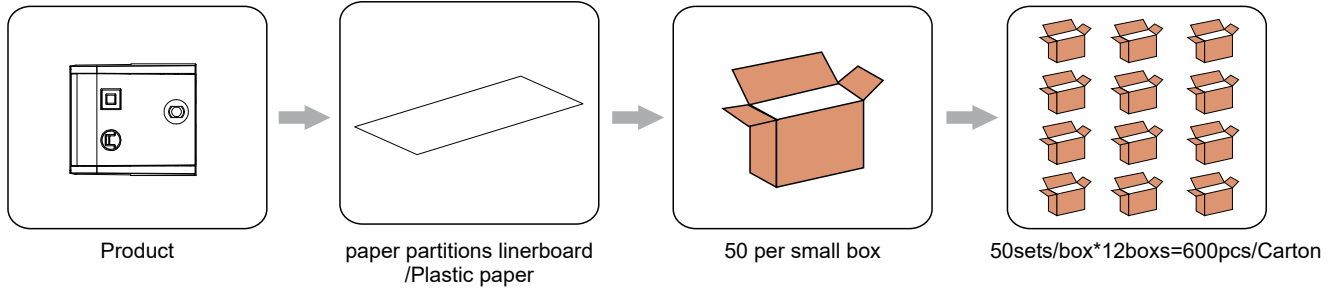
paper partitions linerboard /Plastic paper



105 per small box

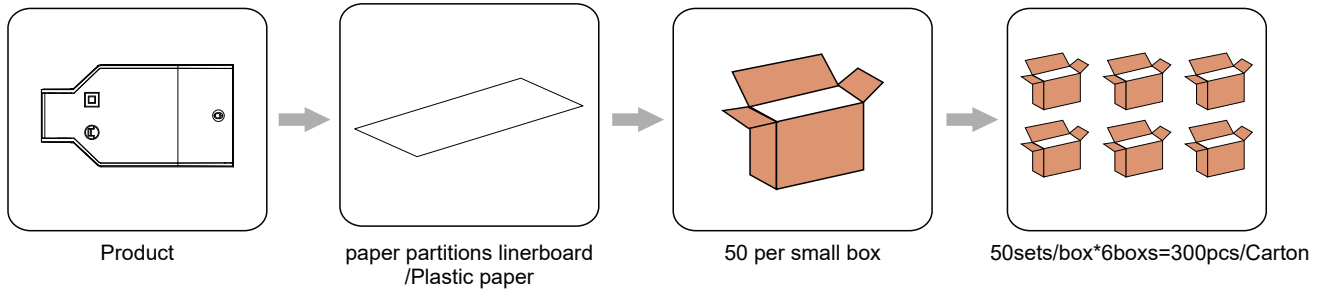
Carton L*W*H(mm)	Pcs/Carton	Net weight/ Pcs(kg)	Net weight/ Carton(kg)	Gross weight / Carton(kg)
398*230*130	105	0.100	10.50	10.98

Small Strain reliefs



Carton L*W*H(mm)	Pcs/Carton	Net weight/ Pcs(kg)	Net weight/ Carton(kg)	Gross weight / Carton(kg)
500*195*245	600	0.007	4.26	5.56

Large Strain reliefs



Carton L*W*H(mm)	Pcs/Carton	Net weight/ Pcs(kg)	Net weight/ Carton(kg)	Gross weight / Carton(kg)
375*315*385	300	0.041	12.34	13.9

9. REVISION HISTORY

Date	Revision	Remark
2024.04.15	V0.01	Label, Packing information, Electrical values, update images
2024.09.15	V0.02	Label, Packing information, Parameters, Dimension, update images