



CC36W150-900

Constant Current Driver

Model: CC36W150-900



Model	Output Current	Input Current	Input Power	Output Power Range	PF	Efficiency (typ.)*	Output Voltage	No load Voltage
CC36W150-900	150mA	0.10A	9.3W	0.37-7.50W	0.80	80%	2.5-50V	60V Max.
	200mA	0.11A	12.3W	0.50-10.00W	0.81	81%		
	250mA	0.12A	15.2W	0.62-12.50W	0.82	82%		
	300mA	0.13A	18.0W	0.75-15.00W	0.83	83%		
	350mA	0.14A	20.8W	0.87-17.50W	0.84	84%		
	400mA	0.15A	23.5W	1.00-20.00W	0.85	85%		
	450mA	0.16A	26.1W	1.12-22.50W	0.86	86%		
	500mA	0.17A	29.0W	1.25-25.00W	0.87	86%		
	550mA	0.18A	31.6W	1.37-27.50W	0.88	87%		
	600mA	0.19A	34.4W	1.50-30.00W	0.89	87%		
	650mA	0.20A	37.3W	1.62-32.50W	0.90	87%		
	700mA	0.21A	39.7W	1.75-35.00W	0.91	88%		
	750mA	0.22A	35.7W	1.87-31.50W	0.92	88%	2.5-42V	
	800mA	0.23A	38.1W	2.00-33.60W	0.93	88%		
	850mA	0.24A	40.5W	2.12-35.70W	0.94	88%		
	900mA	0.25A	40.9W	2.25-36.00W	0.95	88%	2.5-40V	


1. Parameters


category	Item	Technical Norm
Features	Output Type	Constant Current
	Output Features	Isolation
	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
	Input Current	≤0.25A max
	Input Power	≤40.9W max
	Power Factor	≥0.95 (230VAC, full load)
	THD	≤10% (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 Connected quantity of 16A Breaker Connected quantity of 20A Breaker	23pcs/type A ; 37pcs/type B ; 59pcs/type C 37pcs/type A; 59pcs/type B ; 94pcs/type C 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	Output Current	150-900mA (Factory set current of 150mA)
	Max. Output Power	36W
	Efficiency	≥88% (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	Build-in
	PRI Wire preparation	0.5-1.5 [□] / 8-9mm
	SEC Wire preparation	0.5-1.5 [□] / 8-9mm
	Dimension	128*30*21mm (L*W*H)
Standards	Certification	CE/ENEC/SAA/UKCA/EAC
	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.

2. Label







KGP
KGP Electronics GmbH
Hueckstraße 19
DE-58511 Lüdenscheid

CC36W150-900
Constant Current LED Power Supply
PRI:220-240VAC 0/50/60Hz Max. 0.25A
SEC:150-900mA 2.5-50VDC ●tc


LED Driver
tc=90°C ta=50°C
V-OUT:60VDC Max. 36W
DC 180-280V

Pout [W]	Iout [mA]	λ	1	2	3	4	Pout [W]	Iout [mA]	λ	1	2	3	4
7.5	150	0.80C	-	-	-	-	27.5	550	0.88C	ON	-	-	-
10.0	200	0.81C	-	-	-	ON	30.0	600	0.89C	ON	-	-	ON
12.5	250	0.82C	-	-	-	ON	32.5	650	0.90C	ON	-	ON	-
15.0	300	0.83C	-	-	-	ON	35.0	700	0.91C	ON	-	ON	ON
17.5	350	0.84C	-	-	-	ON	31.5	750	0.92C	ON	ON	-	-
20.0	400	0.85C	-	-	-	ON	33.6	800	0.93C	ON	ON	-	ON
22.5	450	0.86C	-	-	-	ON	35.7	850	0.94C	ON	ON	ON	-
25.0	500	0.87C	-	-	-	ON	36.0	900	0.95	ON	ON	ON	ON

EL 

110 

SEC: +
 -



wire preparation [8-9mm]
PRI: 0.5-1.5[□]
SEC: 0.5-1.5[□]

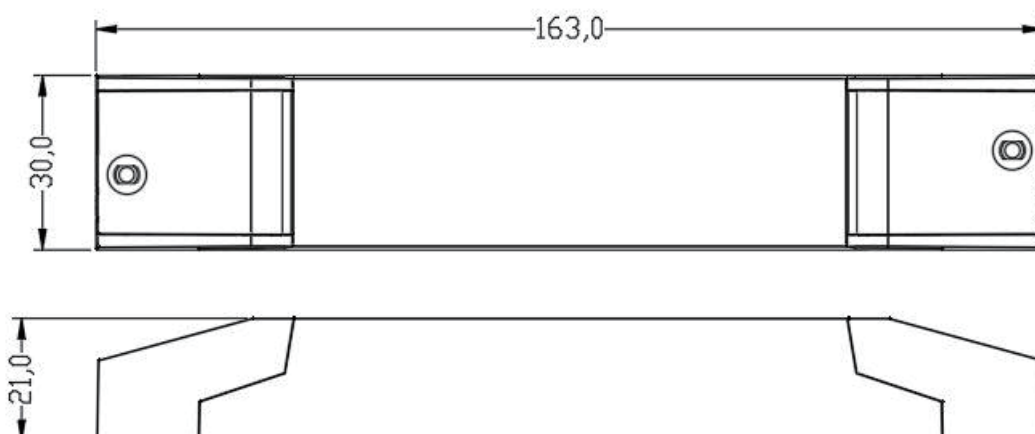
KGP Electronics GmbH
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KGP-V0.02

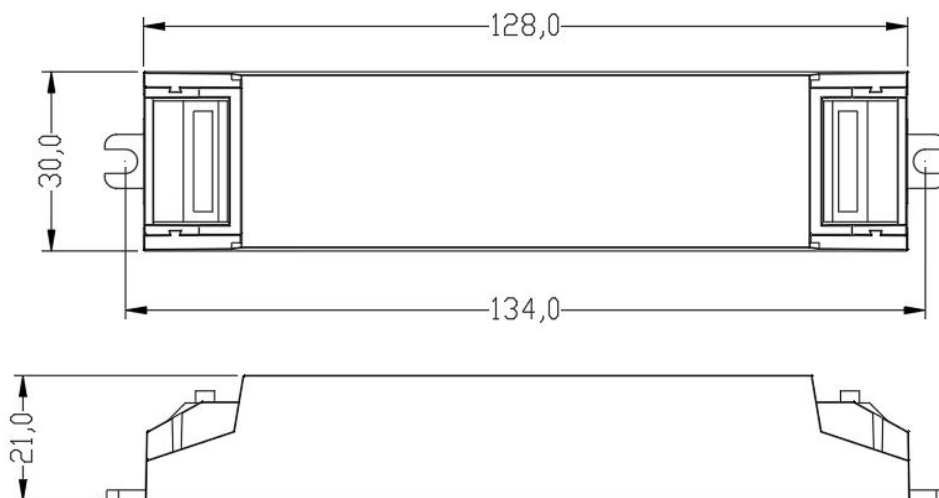
3. Output Current Setting

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

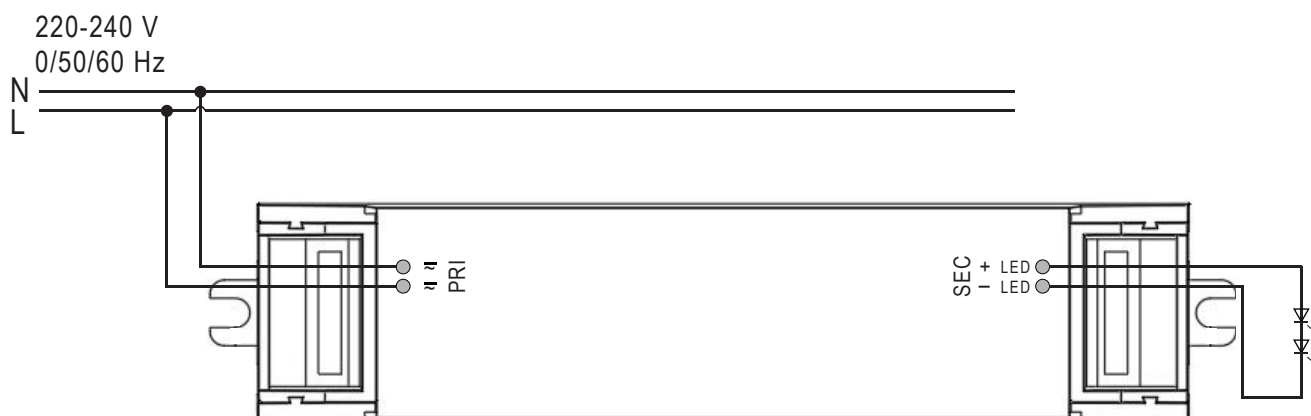
4. Dimension (Unit: mm)



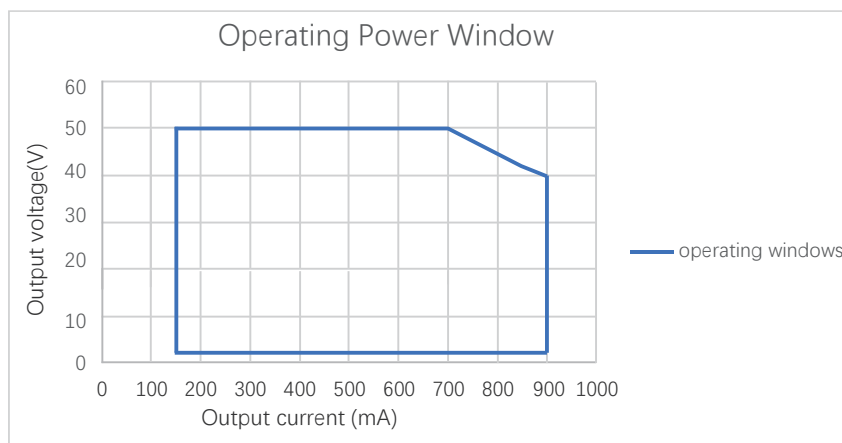
Built in type:



5. Wiring Diagram



6. Output Power Window



7. Packing information

SC

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

Small side cover

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

8. REVISION HISTORY

Date	Revision	Remark