

Model	Output Current	Input Current	Input Power	Output Power Range	PF	Efficiency (typ.)*	Output Voltage	No load Voltage
CC15W100-700	100mA	0.03A	5.8W	0.25-4.60W	0.33-0.69	78%	2.5-46V	60V Max.
	150mA	0.04A	8.3W	0.37-6.90W	0.35-0.78	83%		
	200mA	0.05A	10.8W	0.50-9.20W	0.37-0.84	85%		
	250mA	0.06A	13.3W	0.62-11.50W	0.40-0.87	86%		
	300mA	0.07A	15.8W	0.75-13.80W	0.43-0.90	87%		
	350mA	0.08A	16.8W	0.87-14.70W	0.45-0.90	87%	2.5-42V	
	400mA	0.08A	17.0W	1.00-14.80W	0.47-0.90	87%	2.5-37V	
	450mA	0.08A	17.2W	1.12-14.85W	0.48-0.91	86%	2.5-33V	
	500mA	0.08A	17.4W	1.25-15.00W	0.50-0.91	86%	2.5-30V	
	550mA	0.08A	17.4W	0.87-14.85W	0.52-0.91	85%	2.5-27V	
	600mA	0.09A	17.6W	1.00-15.00W	0.53-0.91	85%	2.5-25V	
	650mA	0.09A	17.5W	1.12-14.95W	0.54-0.91	85%	2.5-23V	
700mA	0.09A	17.5W	1.25-14.70W	0.56-0.91	84%	2.5-21V		

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

1. Parameters

Category	Item	Technical Norm
Features	Output Type	Constant Current
	Output Features	Isolation
	IP Grade	IP20
	Insulation Class	Class II
	Rated Input Voltage	220-240VAC
	Range of Input Voltage	198-264VAC

Input	Range of DC Input Voltage	180-280VDC
	Frequency	0/50/60Hz, Range:0/47-63Hz
	Input Current	≤0.09A (230VAC, full load)
	Input Power	≤17.6W (230VAC, full load)
	Power Factor	≥0.91 (230VAC, full load)
	THD	≤15% (230VAC, full load)
	Standby Power Consumption	≤0.5W (230VAC, full load)
	Inrush Current	≤7.2A/2.6us (230VAC, full load)
	Connected quantity of 10A Breaker Connected quantity of 16A Breaker Connected quantity of 20A Breaker	27pcs/type A ; 43pcs/type B ; 69pcs/type C 43pcs/type A; 69pcs/type B ; 111pcs/type C 54pcs/type A; 86pcs/type B ; 138pcs/type C
Output	Output Voltage Range	2.5-46VDC@100-300mA, 2.5-42VDC@350mA, 2.5-37VDC@400mA, 2.5-33VDC@450mA 2.5-30VDC@500mA, 2.5-27VDC@550mA 2.5-25VDC@600mA, 2.5-23VDC@650mA 2.5-21VDC@700mA
	No Load Voltage	60VDC Max.
	Output Current	100-700mA (Factory set current of 100mA)
	Max. Output Power	15.0W
	Efficiency	≥87% 230VAC, full load@max current
	Output LF current ripple (< 120 Hz)	±3% (Imax-Imin) / (Imax+Imin)
	Current Accuracy	±5%
	PSTLM	≤ 1
	SVM	≤ 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...+85°C
	Tc/Enclosure Temperature	85°C
	Humidity	10%...90%RH
	Atmosphere	86-108KPa
Construction	Connection Method	Push-in Terminal
	Installation	Built-in
	PRI Wire preparation	0.5-1.5 [□] / 8-9mm
	SEC Wire preparation	0.5-1.5 [□] / 8-9mm
	Dimension	103.4*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
Others	Surge	L/N-Ground:2kV; L-N:1kV
	RoHS	complied to 2011/65/EU
	Life Time	50000h Tc=85°C
		75000h Tc=80°C
		100000h Tc=75°C
Warranty	5years, F.R. <10000ppm	
Remark:		
<p>1.All Parameters, if not specified, are measured at 230VAC/50Hz and 25°C ambient temperature.</p> <p>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.</p>		

2. Label



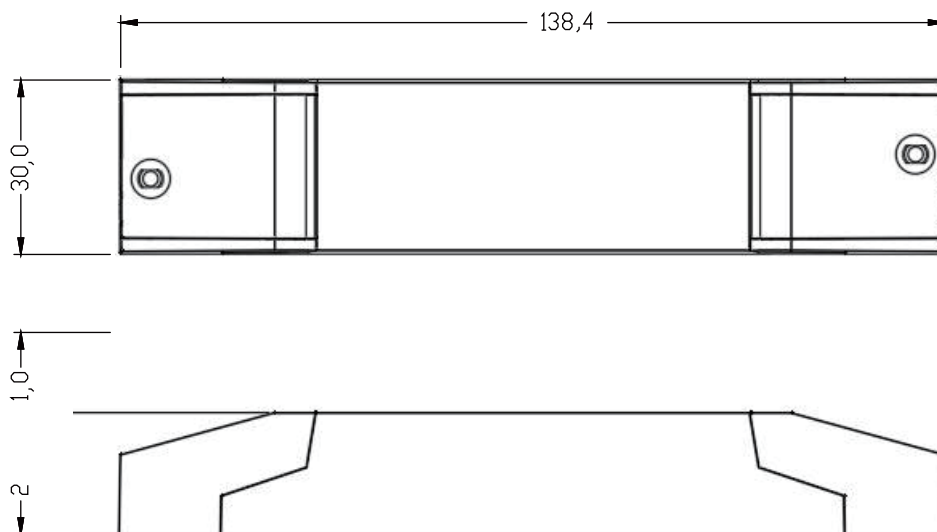
KGP KGP Electronics GmbH Hueckstraße 19 DE-58511 Lüdenscheid		CC15W100-700				LED Driver tc=85°C ta=50°C					
Constant Current Type for operation with LED modules only											
PRI:220-240VAC 0/50/60Hz		Max. 0.09A		U-OUT:60V		SEC:100-700mA		2.5-46VDC ● tc		Max. 15.0W	
<input type="checkbox"/> N	<input type="checkbox"/> L	<input type="checkbox"/> R	<input type="checkbox"/> P	<input type="checkbox"/> I	<input type="checkbox"/> R	<input type="checkbox"/> S	<input type="checkbox"/> +	<input type="checkbox"/> -			
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		wire preparation 8-9mm									
		PRI: 0.5-1.5°		SEC: 0.5-1.5°		Rang of application:180-280VDC					



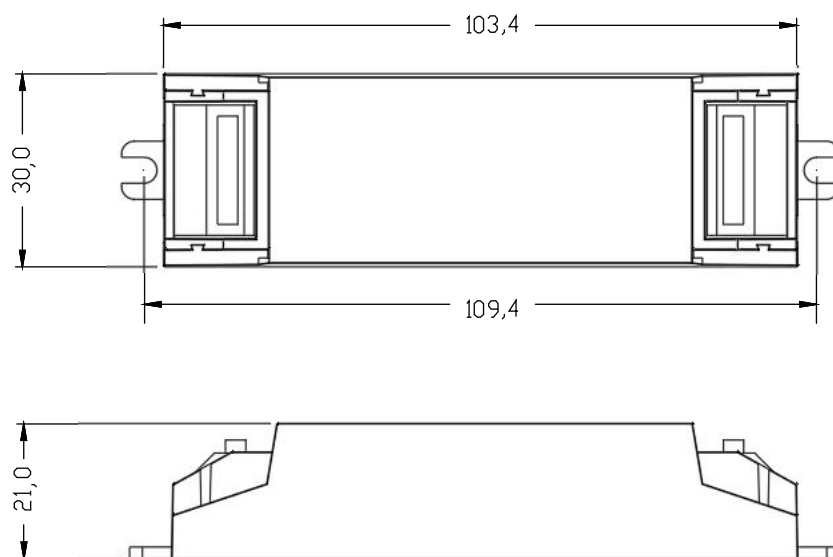
3. Output Current Setting

Output Current	1	2	3	4
100mA	-	-	-	-
150mA	-	-	-	ON
200mA	-	-	ON	-
250mA	-	-	ON	ON
300mA	-	ON	-	-
350mA	-	ON	-	ON
400mA	-	ON	ON	-
450mA	-	ON	ON	ON
500mA	ON	-	-	-
550mA	ON	-	-	ON
600mA	ON	-	ON	-
650mA	ON	-	ON	ON
700mA	ON	ON	-	-

4. Dimension (Unit: mm)

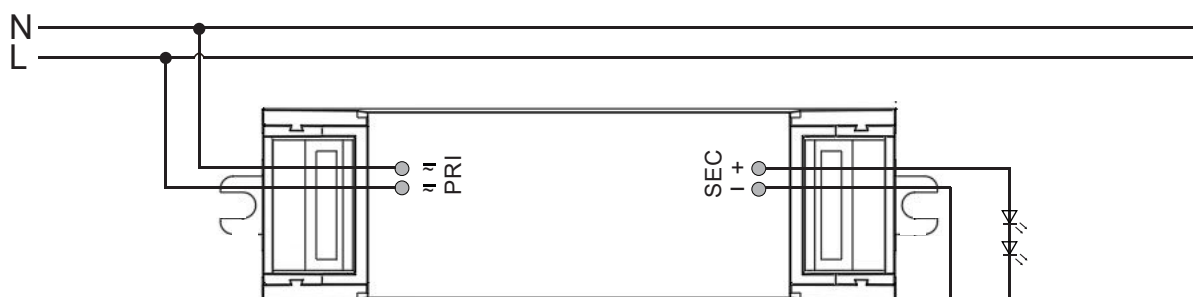


Built in type:

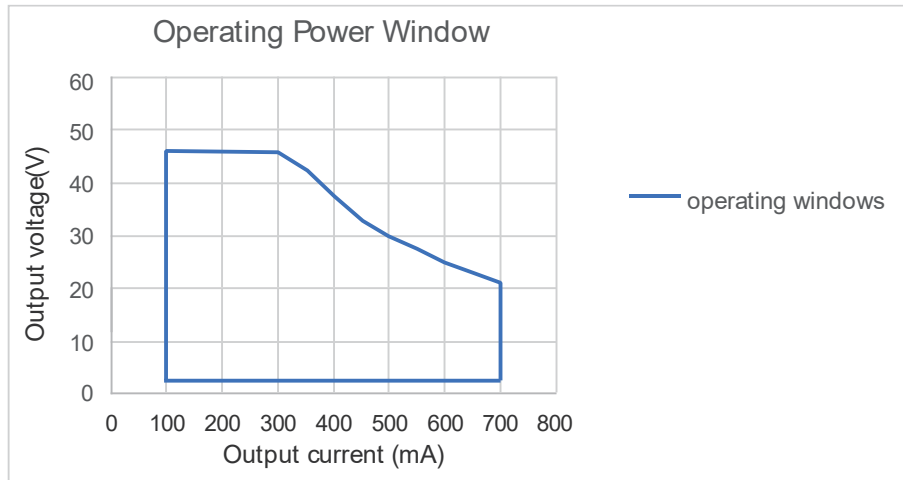


5. Wiring Diagram

220-240 V
0/50/60 Hz



6. Output Power Window



7. Packing information

Built in type

Carton L*W*H(mm)	Pcs/Carton	Net weight/ Pcs(kg)	Net weight/ Carton(kg)	Gross weight / Carton(kg)
305*230*222	144	0.076	10.96	11.32

Side cover

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

8. REVISION HISTORY

Date	Revision	Remark
2023.10.20	V0.01	-----