



Constant Current Driver

Model: CC21W250-500CG
 CC30W500-700CG
 CC42W800-1050CG



Model	Output Current (230V Full Load)	Input Current (230V Full Load)	Input Power (230V Full Load)	Output Power Range	PF (Full Load)	Efficiency (Full Load)	Output Voltage	No load Voltage
CC21W250-500CG	250mA	0.06A	13.4W	6.25-10.5W	0.92	78%	25-42V	55V
	350mA	0.07A	17.9W	8.75-14.7W	0.95	82%		
	450mA	0.10A	22.7W	11.25-18.9W		83%		
	500mA	0.11A	25.3W	12.5-21W		83%		
CC30W500-700CG	500mA	0.12A	23.5W	12.5-21W	0.92	89%	25-42V	55V
	600mA	0.14A	28.3W	15-25.2W	0.95			
	650mA	0.15A	30.6W	16.25-27.3W				
	700mA	0.16A	33W	17.5-29.4W				
CC42W800-1050CG	800mA	0.18A	35.9W	20-32W	0.92	90%	25-40V	55V
	900mA	0.20A	40.4W	22.5-36W	0.95			
	950mA	0.21A	42.6W	23.75-38W				
	1050mA	0.23A	46.6W	26.25-42W				

1. Parameters

category	Item	Technical Norm
Features	Output Type	Constant Current
	IP Grade	IP20
	Insulation Class	Class II
Input	Rated Input Voltage	220-240VAC
	Range of Input Voltage	198-264VAC
	Frequency	50/60Hz
	Input Current	≤0.28A (198VAC, full load)
	Input Power	≤48W (230VAC, full load)
	Power Factor	≥0.5 (230VAC, min load)
	THD	≤15% (230VAC, full load)
	No-load Power Consumption	≤0.5W @230VAC

	Inrush Current : CC21W250-500CG CC30W500-700CG CC42W800-1050CG	≤ 20A/400us (230VAC, Full-load) ≤30A/400us (230VAC, Full-load) ≤30A/400us (230VAC, Full-load)
	Connected quantity of 16A Breaker : CC21W250-500CG CC30W500-700CG CC42W800-1050CG	11pcs/type B ; 18pcs/type C @ 230Vac 7pcs/type B ; 12pcs/type C @ 230Vac 7pcs/type B ; 12pcs/type C @ 230Vac
Output	Current Accuracy	±5%
	Max. Output Power	42W
	Started Delay Time	≤0.5S (230VAC, full load)
	Current Ripple	≤14% (Ip-p)
Protection	Short Circuit Protection	Auto Recovery
	Overload Protection	Auto Recovery
	No-load Protection	Auto Recovery
	Insulation voltage	I/P to O/P , 3KVac/1min
	Insulation resistance	>100M ohm @ 500VDC
	Leakage current	I/P to O/P < 250 μ A
Environment	Ta/Operation Temperature	21W,30W: -20...+50°C; 42W: -20...+45°C
	Ts/Storage Temperature	-10....+75°C
	Tc/Enclosure Temperature	75 °C
	Humidity	10%....90%RH
	Atmosphere	86-108KPa
Construction	Connection Method	Push-in Terminal
	Installation	Build-in & Independent
	PRI Wire preparation	0.75-1.5 [□]
	SEC Wire preparation	0.5-1.5 [□]
	Dimension	137.5X43X31mm (L*W*H)
Standards	Certification	ENEC/CE/SAA
	Safety Standards	EN61347-1:2015,EN61347-2-13:2014/A1:2017,EN62493:2015,AS/NZSIEC61347.2.13:2013,AS/NZS 61347.1:2016
	EMC Standards	EN55015:2013/A1:2015,EN61000-3-2:2014,EN61000-3-3:2013,EN61547:2009
	Performance	EN62384
	Surge	L-N/2KV
Others	RoHS	Complied to 2011/65/EU
	Life Time	50000h @45/50°C (Ta)
	Warranty	5years , F.R. <10000ppm
<p>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.</p>		

2. Label

KGP[®] CC21W250-500CG
 KGP Electronics GmbH
 Hueckstraße 19
 DE-58511 Lüdenscheld
Constant Current LED Power Supply
 • tc=75°C

PIN1	PIN2	I _{rated} (mA)	P _{rated} (W)	U _{rated} (V)	U _N / f _N	I _N (A)	ta [°C]	λ
OFF	OFF	250	11	25-42	220-240V 50/60Hz	0.06	-20...+60	0.92C
OFF	ON	350	15					0.07
ON	OFF	450	19					0.10
ON	ON	500	21					0.11

No load: 55VDC Max.
 OFF → ON

SELV 0.75-1.5V 8-9mm

For LED Only

SEC

KGP[®] CC30W500-700CG
 KGP Electronics GmbH
 Hueckstraße 19
 DE-58511 Lüdenscheld
Constant Current LED Power Supply
 • tc=75°C

PIN1	PIN2	I _{rated} (mA)	P _{rated} (W)	U _{rated} (V)	U _N / f _N	I _N (A)	ta [°C]	λ
OFF	OFF	500	21	25-42	220-240V 50/60Hz	0.12	-20...+60	0.92C
OFF	ON	600	25					0.14
ON	OFF	650	27					0.16
ON	ON	700	30					0.16

No load: 55VDC Max.
 OFF → ON

SELV 0.75-1.5V 8-9mm

For LED Only

SEC

KGP[®] CC42W800-1050CG
 KGP Electronics GmbH
 Hueckstraße 19
 DE-58511 Lüdenscheld
Constant Current LED Power Supply
 • tc=75°C

PIN1	PIN2	I _{rated} (mA)	P _{rated} (W)	U _{rated} (V)	U _N / f _N	I _N (A)	ta [°C]	λ
OFF	OFF	800	32	25-40	220-240V 50/60Hz	0.18	-20...+46	0.92C
OFF	ON	900	36					0.20
ON	OFF	950	38					0.21
ON	ON	1050	42					0.23

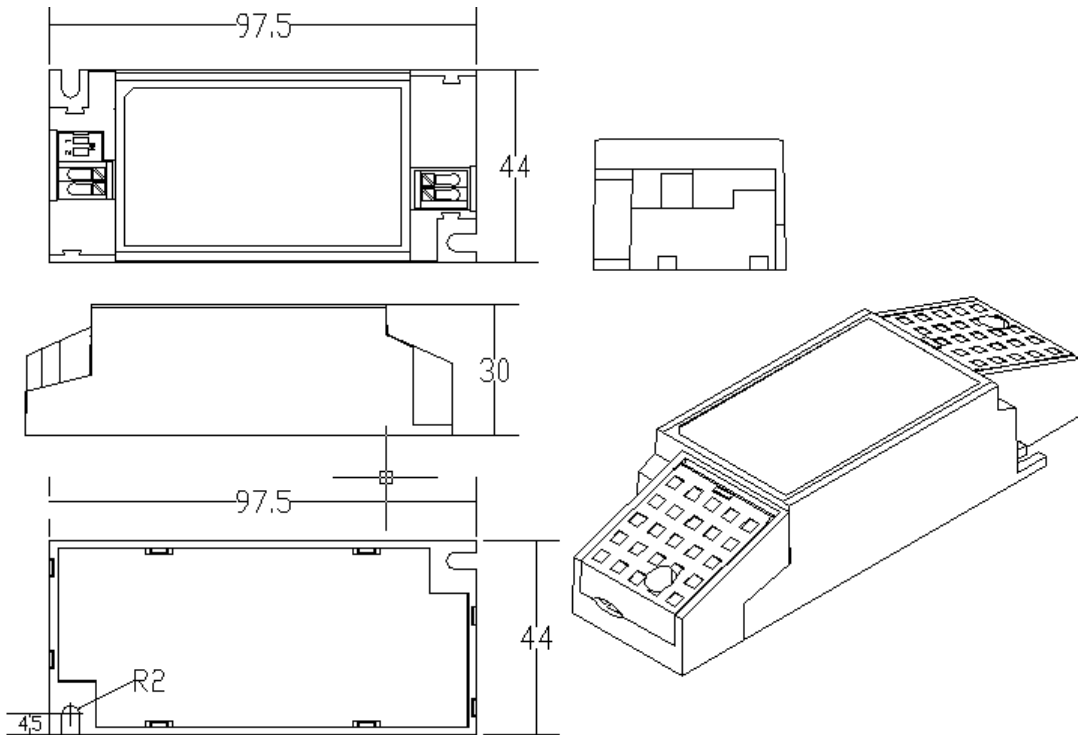
No load: 55VDC Max.
 OFF → ON

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3. Dimension (Unit: mm)



4. Packing information

Carton L*W*H(mm)	Pcs/Carton	Net weight/ Pcs(kg)	Net weight/ Carton(kg)	Gross weight / Carton(kg)
447*240*200	85	0.124	10.54	11.29

5. Wiring Diagram

