



Model	Output Current	Input Current	Input Power	Output Power Range	PF	Efficiency	Output Voltage	No load Voltage
CC53W500-1400 NFC	500-1400mA	≤0.28A	60.56W	1.25-53.20W	≥0.95	89%	2.5-44	59V

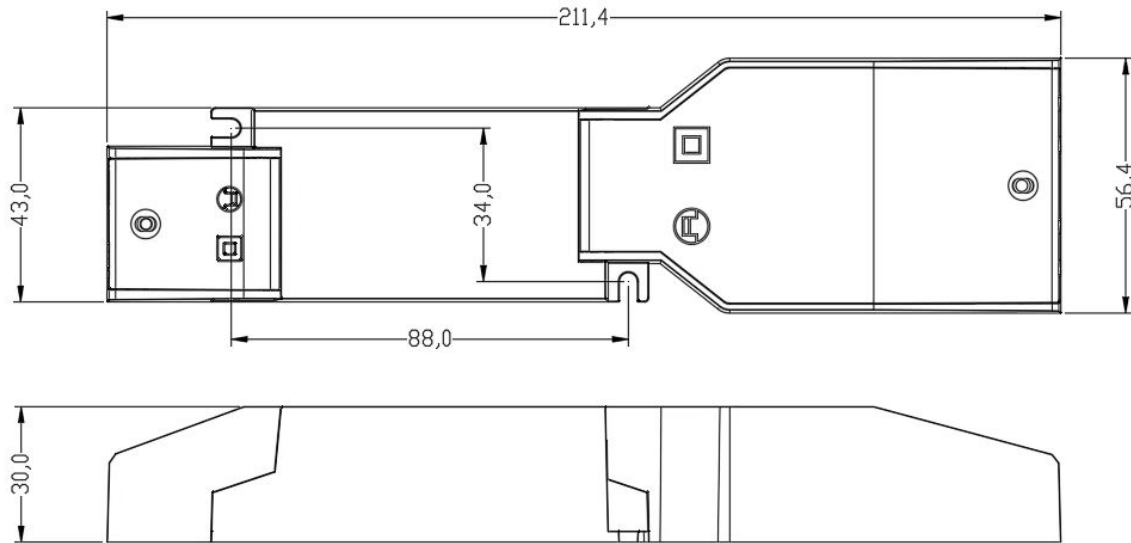
* Test result @230V, 50Hz, Full Load

1. Parameters

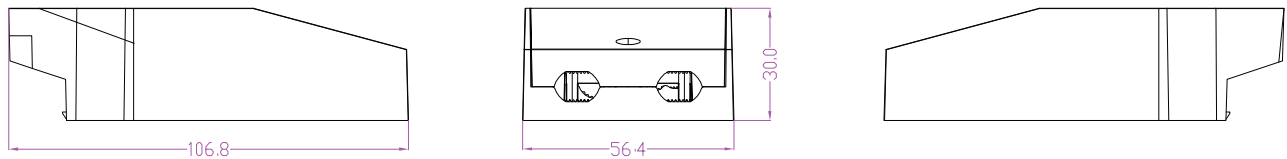
category	Item	Technical Norm
Features	Output Type	Constant Current
	Current Setting	Near field communication (NFC)
	Output Features	Isolation
	IP Grade	IP20
	Insulation Class	Class II (compatible Class I)
Input	Rated Input Voltage	220-240VAC
	Range of Input Voltage	198-264VAC
	Range of DC Input Voltage	180-280VDC
	Frequency	0/50/60Hz, Range:0/47-63Hz
	Input Current	≤0.28A max
	Input Power	≤60.56W max
	Power Factor	≥0.95 (230VAC, full load)
	THD	≤10% (230VAC, full load)
	No-load Power Consumption	≤0.5W (230VAC, full load)
	Inrush Current	≤9.5A/16us (230VAC, full load)
	Connected quantity of 10A Breaker	21pcs/type A ;33pcs/type B ;53pcs/type C@ 230Vac
Connected quantity of 16A Breaker	33pcs/type A;53pcs/type B ;84pcs/type C@ 230Vac	
Connected quantity of 20A Breaker	41pcs/type A;66pcs/type B ;105pcs/type C@ 230Vac	
Output	Output Voltage	2.5-44VDC@500-1200mA 2.5-42VDC@1250mA 2.5-40VDC@1300mA 2.5-39VDC@1350mA 2.5-38VDC@1400mA
	No Load Voltage (Uout)	59VDC Max.

Output	Output Current	500-1400mA (by NFC setting ,Factory set current of 500mA)
	Max. Output Power	53.9W
	Efficiency	≥89% (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)
Control Method	NFC current setting	The output current can be set within the total value range in 1-mA-steps. Output current is mean value. Setting is by KGP's software APP/APK/PC with FEIG equipment or mobile phone.
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....+40°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	Build-in
	PRI Wire preparation	PVC,VDE certificated,0.5-1.5 [□] ,with 8mm tin
	SEC Wire preparation	PVC,VDE certificated,0.5-1.5 [□] ,with 8mm tin
	Dimension	97*43*30mm (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

large side cover:



Large side cover specifications



Tolerance for dimensions ± 0.1 mm

Mechanical, Operating & Storage Conditions

Driver cross-section dimensions: 55.4-57.4 x 29.0-31.0 mm

Wire size: 0.5 - 2.5 mm²

Ambient temperature range: -25...+45 °C

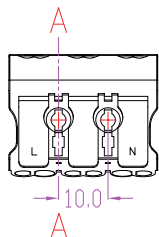
Storage temperature range: -40...+80 °C

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

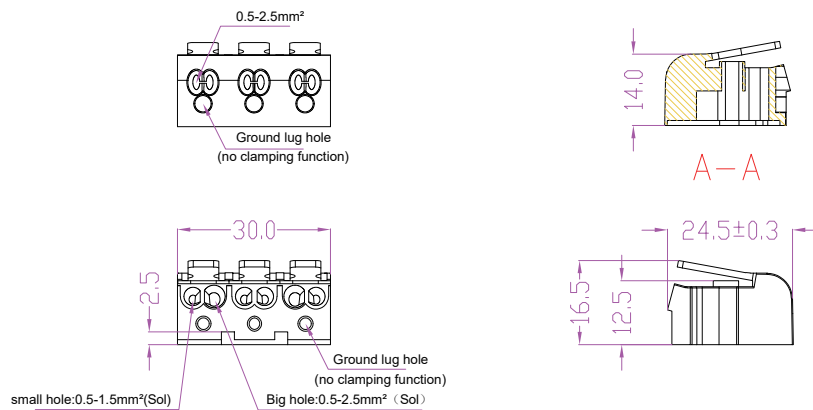
Do not store in wet or humid environment!

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

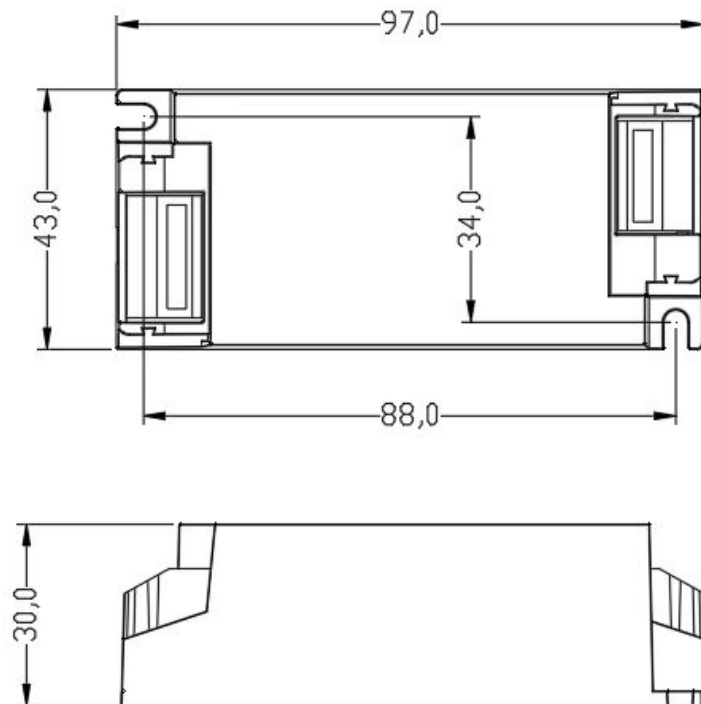
Terminal



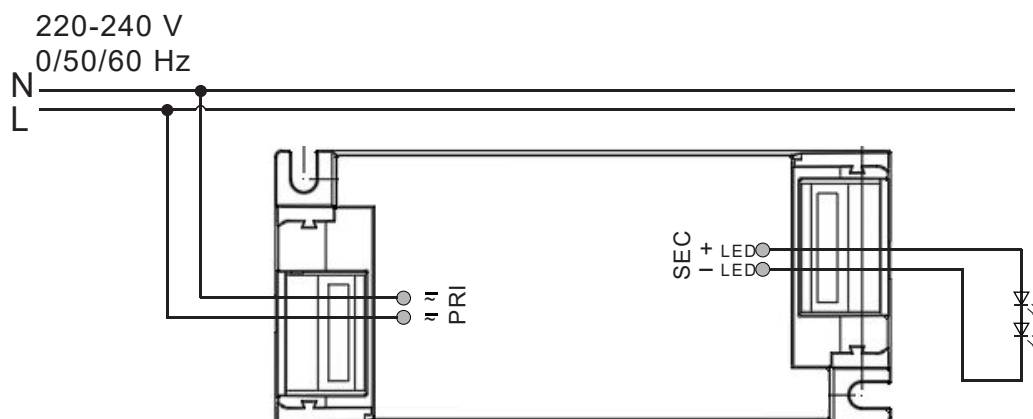
3 - pole connector for CC drivers with LC-SRB-LOOP



Built in type:

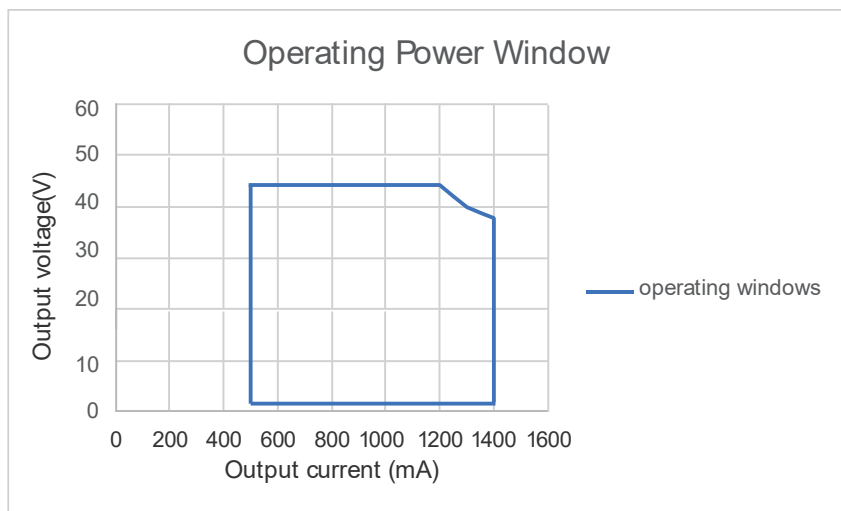


4. Wiring Diagram



5. Output Power Window

Operating power window



6. Packing information

Built in type

Carton L*W*H(mm)	Pcs/Carton	Net weight/ Pcs(kg)	Net weight/ Carton(kg)	Gross weight / Carton(kg)
410*233*225	112	0.151	16.96	19.36

Small side cover

Carton L*W*H(mm)	Pcs/Carton	Net weight/ Pcs(kg)	Net weight/ Carton(kg)	Gross weight / Carton(kg)
460*430*170	600	0.012	7.20	8.76

Large side cover

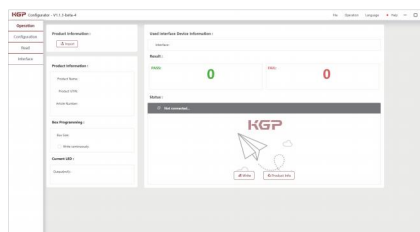
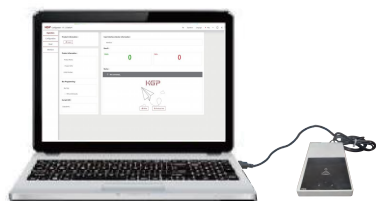
Carton L*W*H(mm)	Pcs/Carton	Net weight/ Pcs(kg)	Net weight/ Carton(kg)	Gross weight / Carton(kg)
375*313*385	300	0.068	20.40	21.96







7. NFC current setting:

NFC Reader (optional)

Feature:

Easily on-line read a output current from a driver or write a new current data to a driver throughout KGP NFC reader within few seconds.



Product	Description	Interface	Matching antenna	Zhaga approval	Usage
 ID CPR30+	Desktop programmer	USB	Integrated	Yes	Single Programming on Desktop
 ID ISC.PRH101-USB	Handheld programmer	USB	Integrated	Yes	Single Programming by Handheld
 ID ISC.MR102-USB	Middle range programmer, for connecting external antenna	USB	RF-MANT12786 	Yes	Single Programming on Product line
 ID ISC.LR1002-E	Long range programmer, for connecting external antenna	USB,RS232,TCP/IP	ID ISC.ANT310/310 	Yes	Multi Programming System

APP NFC

Feature:

Quickly check output current of a LED driver simply via iPhone smart phone, as well as, correct or setup a new current data immediately with no extra equipment at any job site.

ICON



Main



Download method

1. Scan the QR code to download




2. On your iPhone, search for KGP NFC in APP Store to download it



iPhone smartphones with NFC can be downloaded and used directly

An iPhone smartphone without NFC requires the following devices to use it

Product	Description	Interface	Matching antenna	Zhaga approval	Usage
 ID ECCO Smart HF-BLE	Handheld wireless programmer	USB, Bluetooth LE V4.2 & V5.0	Integrated	Yes	Handheld programming, installation and maintenance work

8. REVISION HISTORY

Date	Revision	Remark
2023.11.01	V0.01	Modify fonts, add NFC content, update images, Packing information