CC36W150-900 NFC

Constant Current Driver
Model:CC36W150-900 NFC

Model	Item Code	Output Current	Input Current	Input Power	Output Power Range	PF	Efficiency	Output Voltage	No load Voltage
CC36W150-900 NFC	125421	150-900mA	≤0.25A	40.9W	0.38-36.00W	≥0.95	88%	2.5-50	60V

* 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
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	≤0.25A max
	Input Power	≤40.9W max
	Power Factor	≥0.95 (230VAC，full load)
	THD	≤7% (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 13A Breaker Connected quantity of 16A Breaker Connected quantity of 20A Breaker	22pcs/type A ； 36pcs/type B ； 58pcs/type C 29pcs/type A； 47pcs/type B ； 76pcs/type C 36pcs/type A； 58pcs/type B ； 94pcs/type C 45pcs/type A； 73pcs/type B ； 117pcs/type C
	Output Voltage	2.5-50VDC@150-700mA 2.5-42VDC@750-850mA 2.5-40VDC@900mA

Output	No Load Voltage (Uout)	60VDC Max.
	Output Current	150-900mA (by NFC setting ,Factory set current of 150mA)
	Max. Output Power	36W
	Efficiency	≥88%　　　　　(230VAC，full load)
	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….+50℃
	Ts/Storage Temperature	-20….+90℃
	Tc/Enclosure Temperature	90℃
	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	0.5-1.5▫ / 8-9mm
	SEC Wire length	0-0.8±0.05m (The EMC test results were achieved at approximately 0.8 meters (the length required by the standard). If there are any data differences, please test according to the length required by the standard)
	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；

Others	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
	RoHS	2011/65/EU
	Life Time	50000h Tc=90℃
		75000h Tc=85℃
		100000h Tc=80℃
	Warranty	5years ， F.R. < 10000ppm

Remark: 1.All Parameters, if not specified, are measured at 230VAC/50Hz and 25℃ 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	15m	30m	50m
Cable selection	0.5mm²	0.75mm²	1.0mm²

2. Label

3. Dimension （Unit：mm）

Built in type:

KGP Electronics GmbH
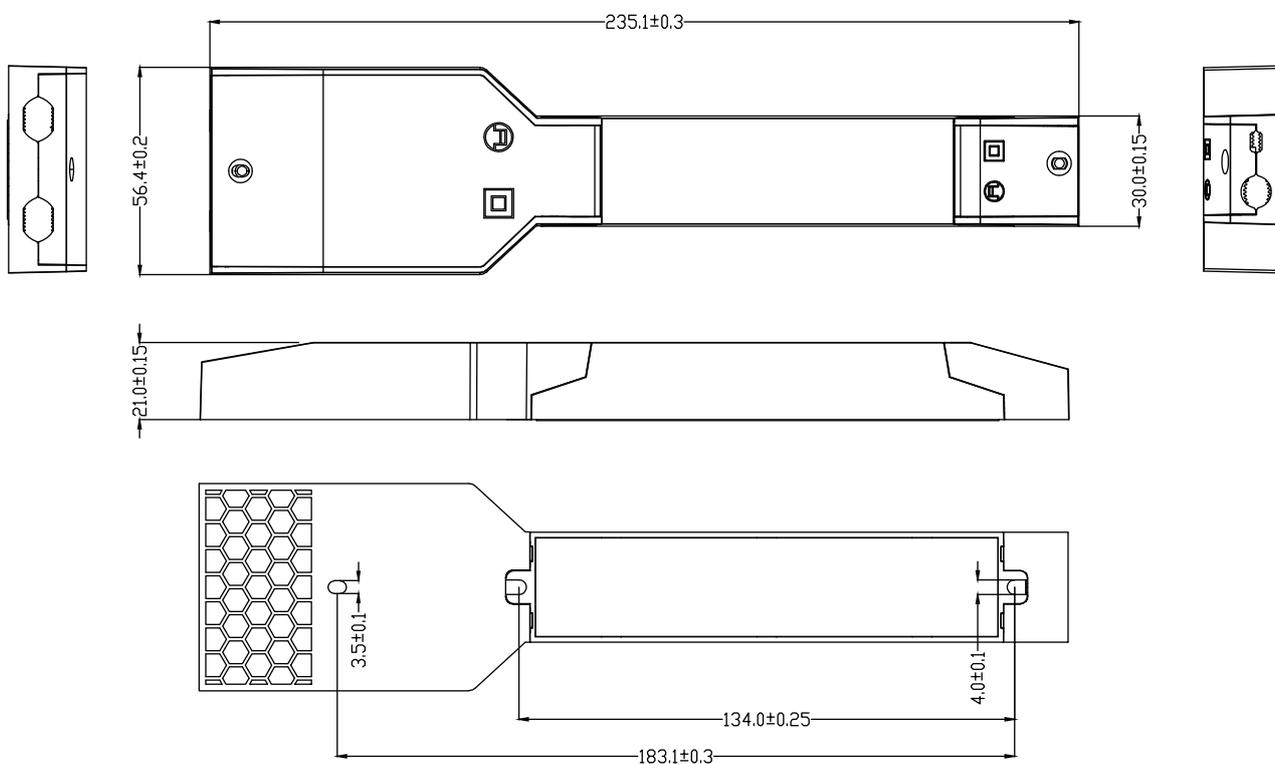Hueckstraße 19
DE-58511 Lüdenscheid
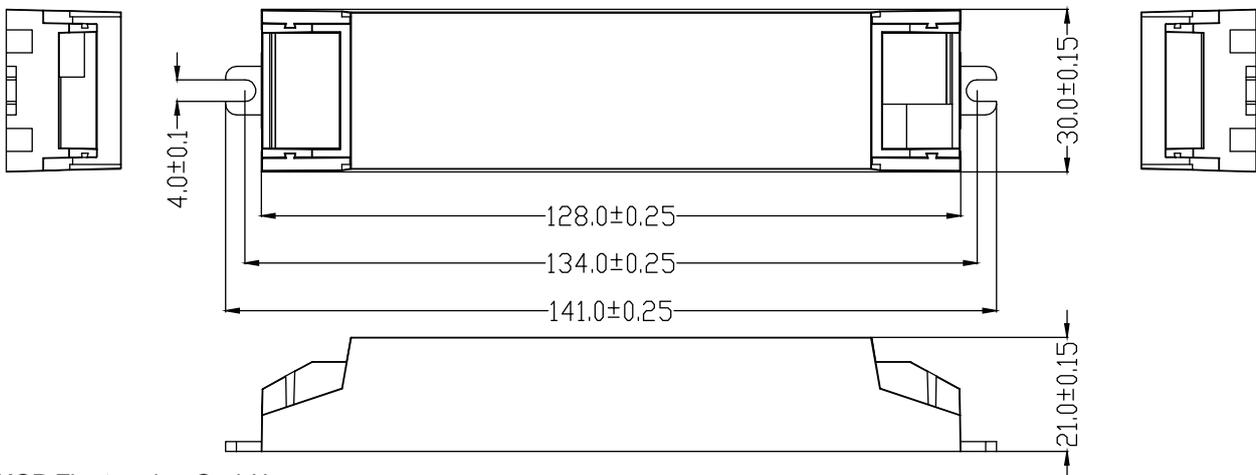
Compatible Small Strain reliefs:SR_CC15-23-36
Compatible Large Strain reliefs:SR_CC15-23-36_3POL

Small Strain reliefs

163.0±0.25

30.0±0.15

21.0±0.15

Large Strain reliefs

235.1±0.3

56.4±0.2

30.0±0.15

21.0±0.15

3.5±0.1

4.0±0.1

134.0±0.25

183.1±0.3

KGP-V0.08
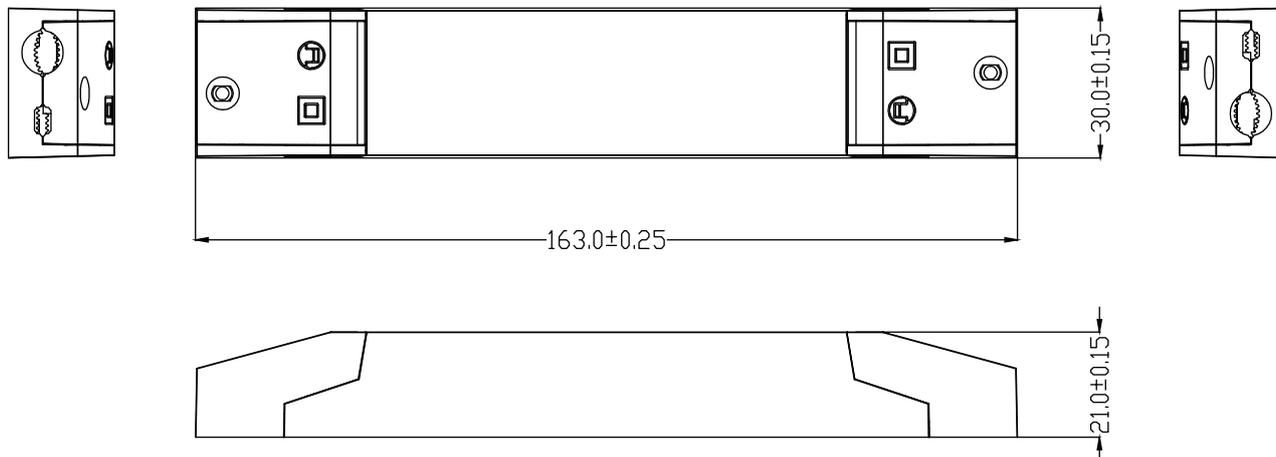
Large Strain reliefs specifications

105.9±0.2

56.4±0.15

21.0±0.15
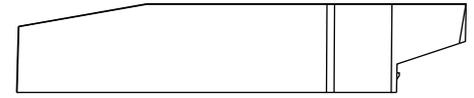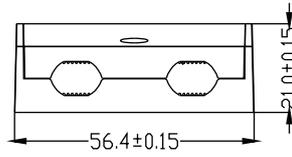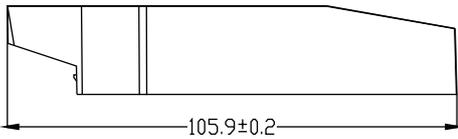
Tolerance for dimensions ± 0.1 mm

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
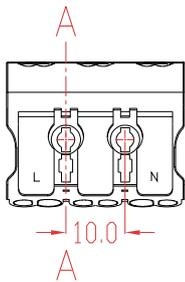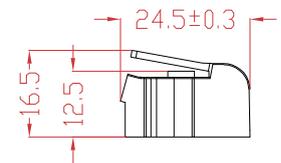
Storage temperature range: -20…+85 °C
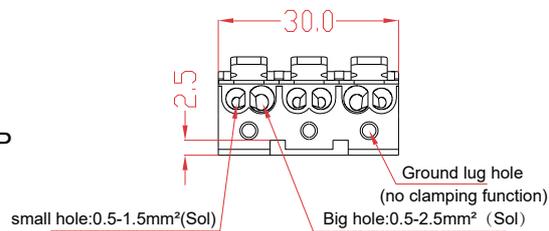
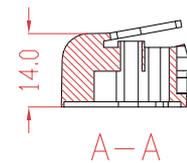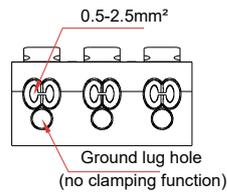Assembly temperature range: +5...+30 °C

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.
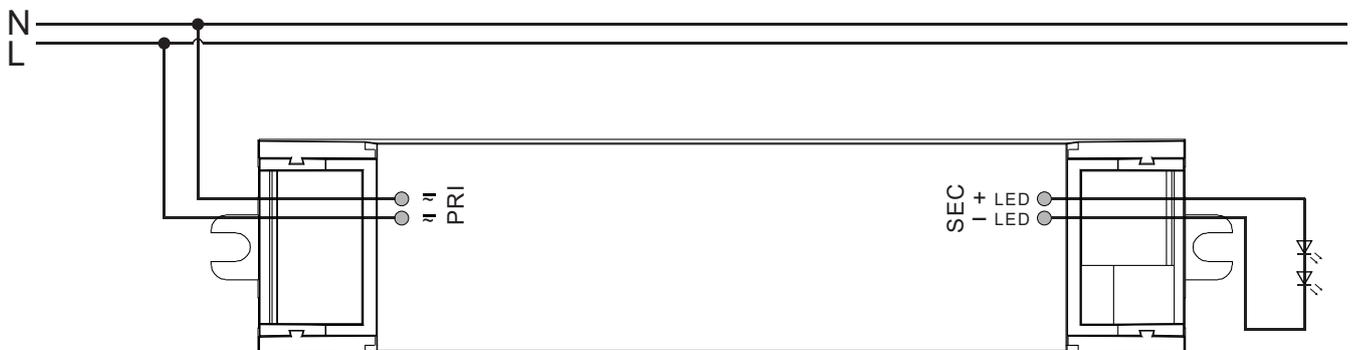
Terminal

A

A

L   N

10.0

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

0.5-2.5mm²

Ground lug hole
(no clamping function)

30.0

2.5

Ground lug hole
(no clamping function)

small hole:0.5-1.5mm²(Sol)   Big hole:0.5-2.5mm²（Sol）

14.0

A－A

24.5±0.3

16.5

12.5

4. Wiring Diagram

220-240 V   0/50/60 Hz

N
L

PRI

SEC   + LED
         − LED

KGP Electronics GmbH
Hueckstraße 19
DE-58511 Lüdenscheid

5. Electrical values

1. Operating power windows

Power Window

2. Effciency v.s. Load

Efficiency v.s Loading %

3. PF v.s. Load

PF v.s. Loading%

4.THD v.s. Load

THD v.s. max Load %

5.Life time

Life Time

6.Derating

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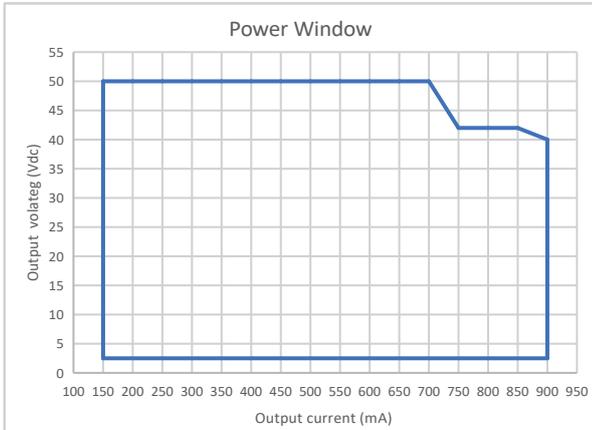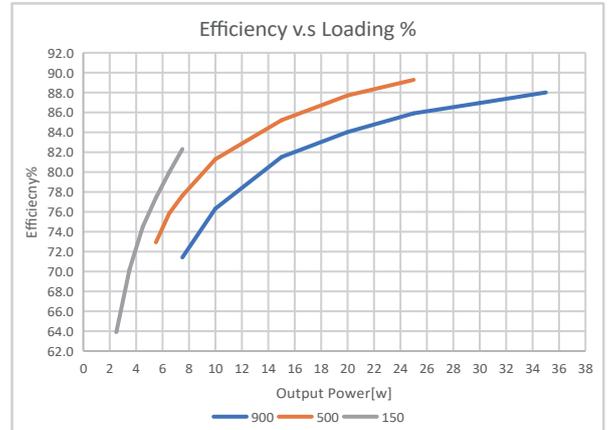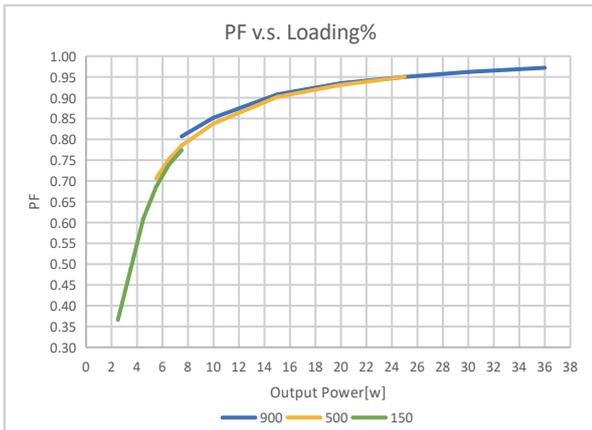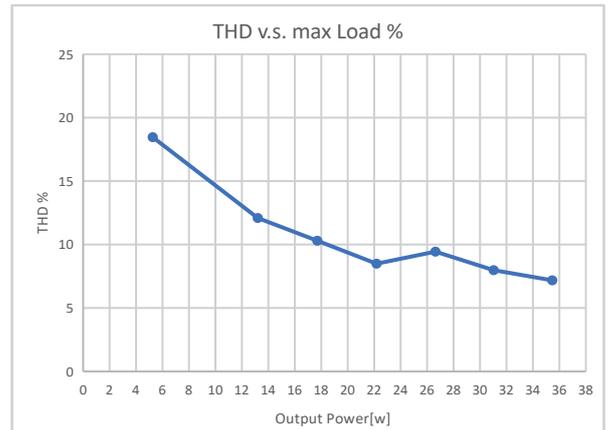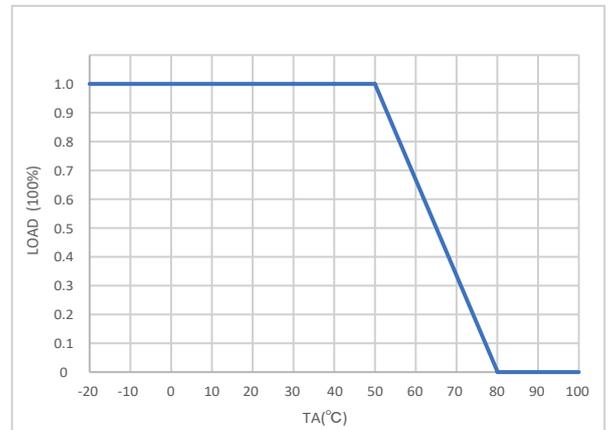
6. Packing information

Built in type

| Product | paper partitions linerboard /Plastic paper | 20 per small box | 20sets/box*4boxs=80pcs/Carton |
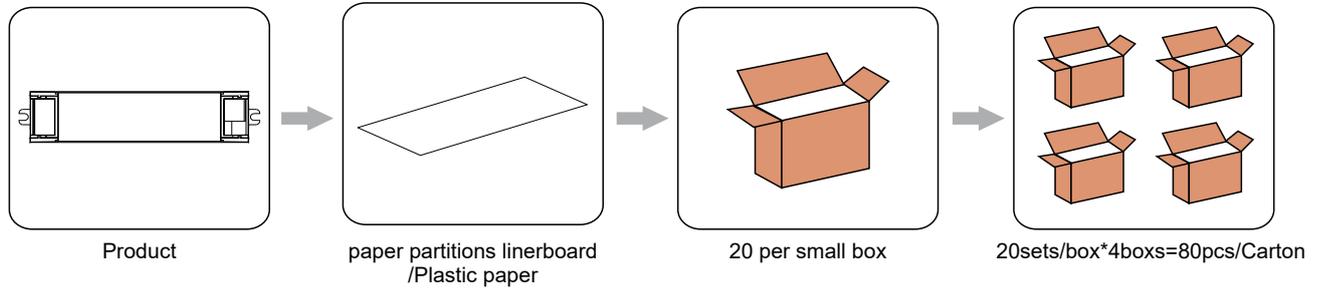
Inner box

Carton L*W*H(mm)	Pcs/Carton	Net weight/ Pcs(kg)	Net weight/ Carton(kg)	Gross weight / Carton(kg)
223*146*73	20	0.100	1.98	2.10

Outer box

Carton L*W*H(mm)	Pcs/Carton	Net weight/ Pcs(kg)	Net weight/ Carton(kg)	Gross weight / Carton(kg)
310*235*170	80	0.100	8.01	8.68

Small Strain reliefs

| Product | paper partitions linerboard /Plastic paper | 50 per small box | 50sets/box*12boxs=600pcs/Carton |
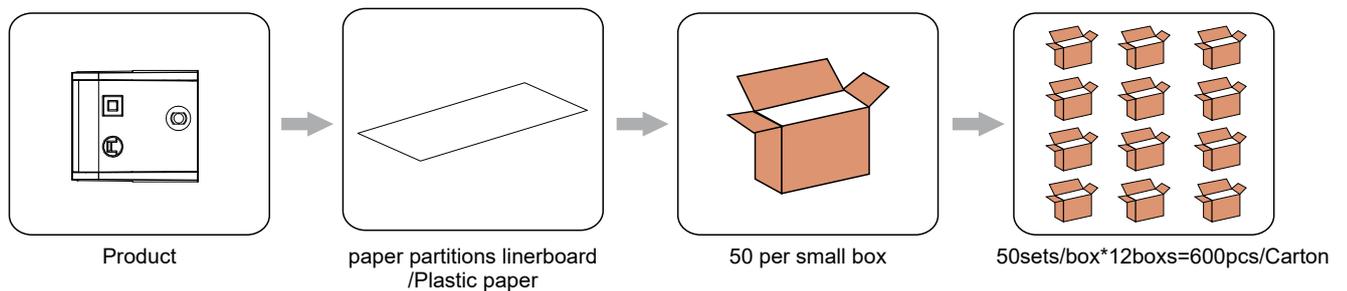
Carton L*W*H(mm)	Pcs/Carton	Net weight/ Pcs(kg)	Net weight/ Carton(kg)	Gross weight / Carton(kg)
500*195*245	600	0.007	4.26	5.56

Large Strain reliefs

| Product | paper partitions linerboard /Plastic paper | 50 per small box | 50sets/box*6boxs=300pcs/Carton |
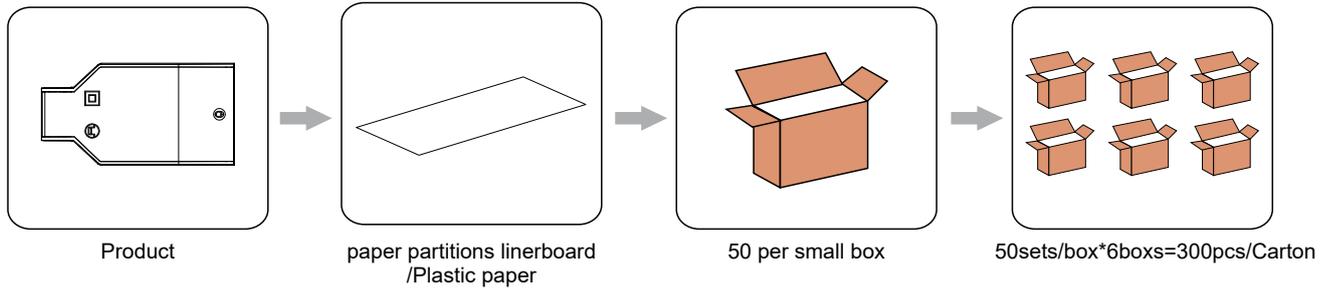
Carton L*W*H(mm)	Pcs/Carton	Net weight/ Pcs(kg)	Net weight/ Carton(kg)	Gross weight / Carton(kg)
375*315*385	300	0.041	12.34	13.9

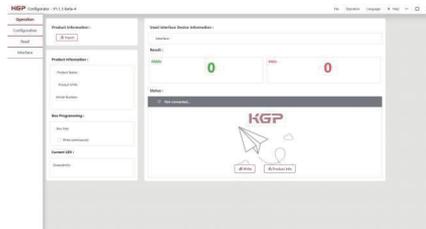## 7. Ordering Data

Model No.	Item Code
CC36W150-900 NFC	125421
SR_CC_15-23-36	147841
SR_CC_15-23-36_3POL	151151

8. 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.

iPhone

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

KGP NFC

iPhone smartphones with NFC can be downloaded and used directly

Android

ICON	Main	Download method

1.Scan the QR code to download

Android smartphones with NFC can be downloaded and used directly

An iPhone/Android 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

9. REVISION HISTORY

Date	Revision	Remark
2023.08.24	V0.01	Modify fonts, add NFC content, update images
2023.10.06	V0.02	update images
2024.04.15	V0.03	Label, Packing information, Electrical values, Dimension, update images
2024.09.15	V0.04	Label, Packing information, Parameters, Dimension, update images
2024.12.02	V0.05	Label, Parameters, Electrical values, update images
2025.01.18	V0.06	Label, NFC current setting, update images
2025.02.10	V0.07	Packing information
2025.08.05	V0.08	Parameters（SEC Wire length）,Ordering Data