



Model	Item Code	Output current	Input current	Input power	Output power range	PF	Efficiency	Output voltage	No load voltage
CC14W100-700-NFC-UNI-NX	159660	100-700mA	0.18A	16.70W	0.30-14.00W	≥ 0.98	84%	2.5-46Vdc	60Vdc

*** Test result @100V, 50Hz, Full Load.**

1. Parameters

Category	Item	Technical Norm
Features	Output Type	Constant Current
	Output current setting	Near field communication (NFC)
	Output Features	Isolation
	IP Grade	IP20
	Insulation Class	Class II
Input	Rated Input Voltage	100-240VAC
	Range of Input Voltage	100-264VAC
	Range of DC Input Voltage	180-280VDC
	Frequency	0/50/60Hz, Range:0/47-63Hz
	Overvoltage protection	2h@380VAC, 48h@320VAC
	Input Current	≤0.18A max
	Input Power	≤16.70W max
	Power Factor	≥0.98
	THD	≤12% (100VAC, full load)
	No-load Power Consumption	≤0.5W (100VAC, full load)
	Inrush Current	≤7.2A/2.6us (100VAC, full load)

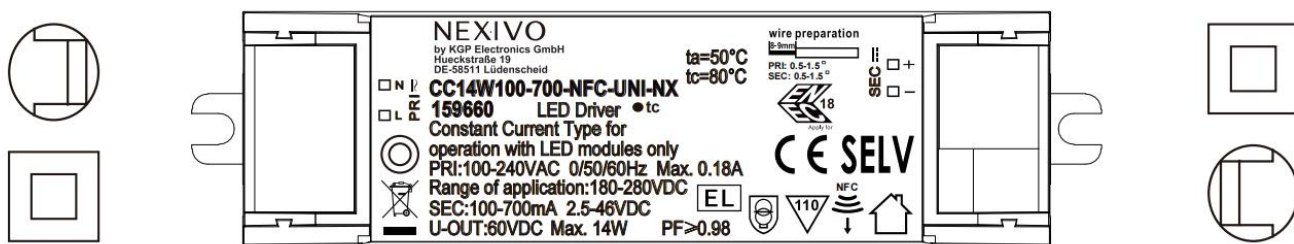
	Connected quantity of 10A Breaker Connected quantity of 13A Breaker Connected quantity of 16A Breaker Connected quantity of 20A Breaker	27pcs/type A ; 43pcs/type B ; 69pcs/type C 35pcs/type A; 56pcs/type B ; 90pcs/type C 43pcs/type A; 69pcs/type B ; 111pcs/type C 54pcs/type A; 86pcs/type B ; 138pcs/type C
Output	Output Voltage Range	2.5-46VDC@100-300mA, 2.5-40VDC@350mA, 2.5-35VDC@400mA, 2.5-31VDC@450mA 2.5-28VDC@500mA, 2.5-25VDC@550mA 2.5-23VDC@600mA, 2.5-21VDC@650mA 2.5-20VDC@700mA
	No Load Voltage	60VDC Max.
	Output Current	100-700mA(by NFC setting, Factory set current of 100mA)
	Max. Output Power	14W
	Efficiency	≥84% @300mA, 100VAC
	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 (100VAC, 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 EX·IVO'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@100V input
Environment	Ta/Operation Temperature	-20....+50℃
	Ts/Storage Temperature	-20....+80℃
	Tc/Enclosure Temperature	80℃
	Humidity	10%.... 90%RH
	Atmosphere	86-108KPa
Construction	Connection Method	Push-in Terminal
	Installation	Build-in & Independent
	PRI Wire preparation	0.5-1.5□/ 8-9mm
	SEC Wire preparation	0.5-1.5□/ 8-9mm
	SEC Wire preparation	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)
Standards	Dimension	103.4*30*21mm(L*W*H)
	Certification	CE

	Safety Standards	EN61347-1:2015/A1:2021; EN61347-2-13:2014/A1:2017;
	Performance	EN62384
	Surge	L/N-Ground:2kV; L-N:1kV
	RoHS	compliedto2011/65/EU
Others	Life Time	50000h Tc=80℃
	Warranty	75000h Tc=75℃
		100000h Tc=70℃
		5years , F.R. < 10000ppm

Remark:
1.All Parameters,if not specified,are measured at 100VAC/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.

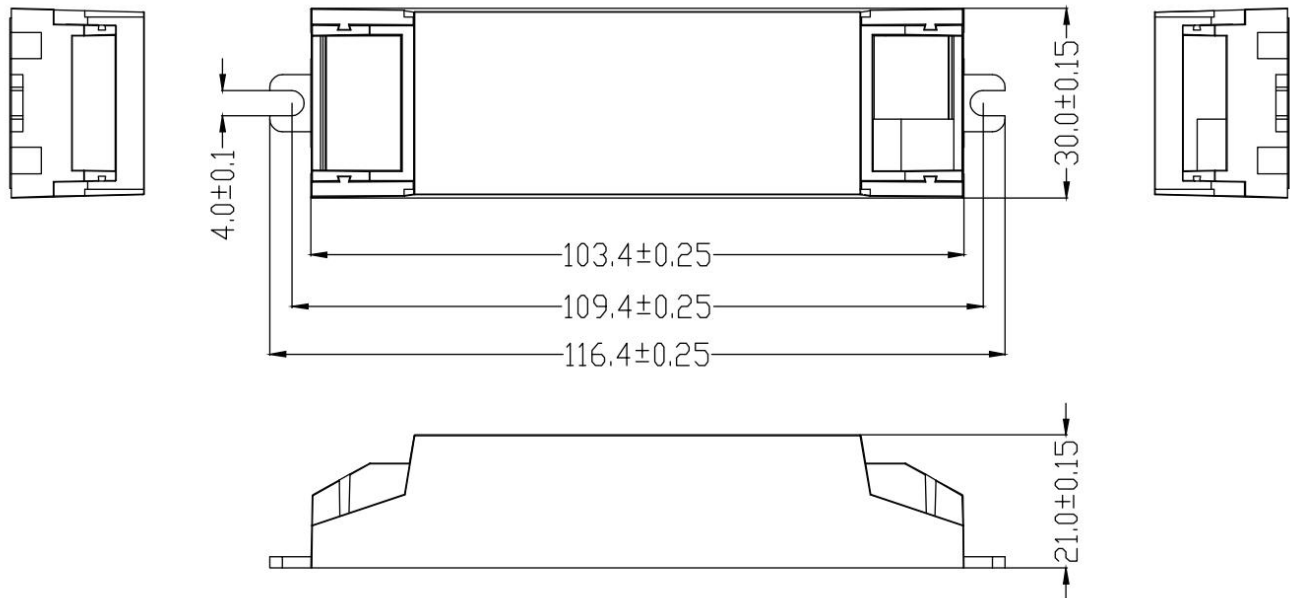
Distance	15m	30m	50m
Cable selection	0.5mm ²	0.75mm ²	1.0mm ²

2. Label



3. Dimension (Unit: mm)

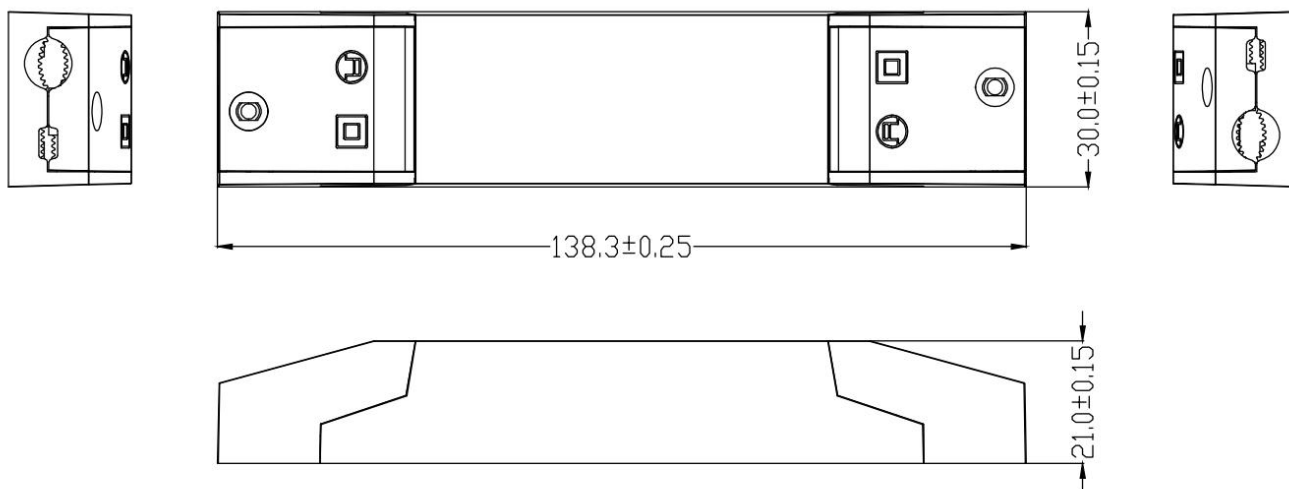
Built in type:



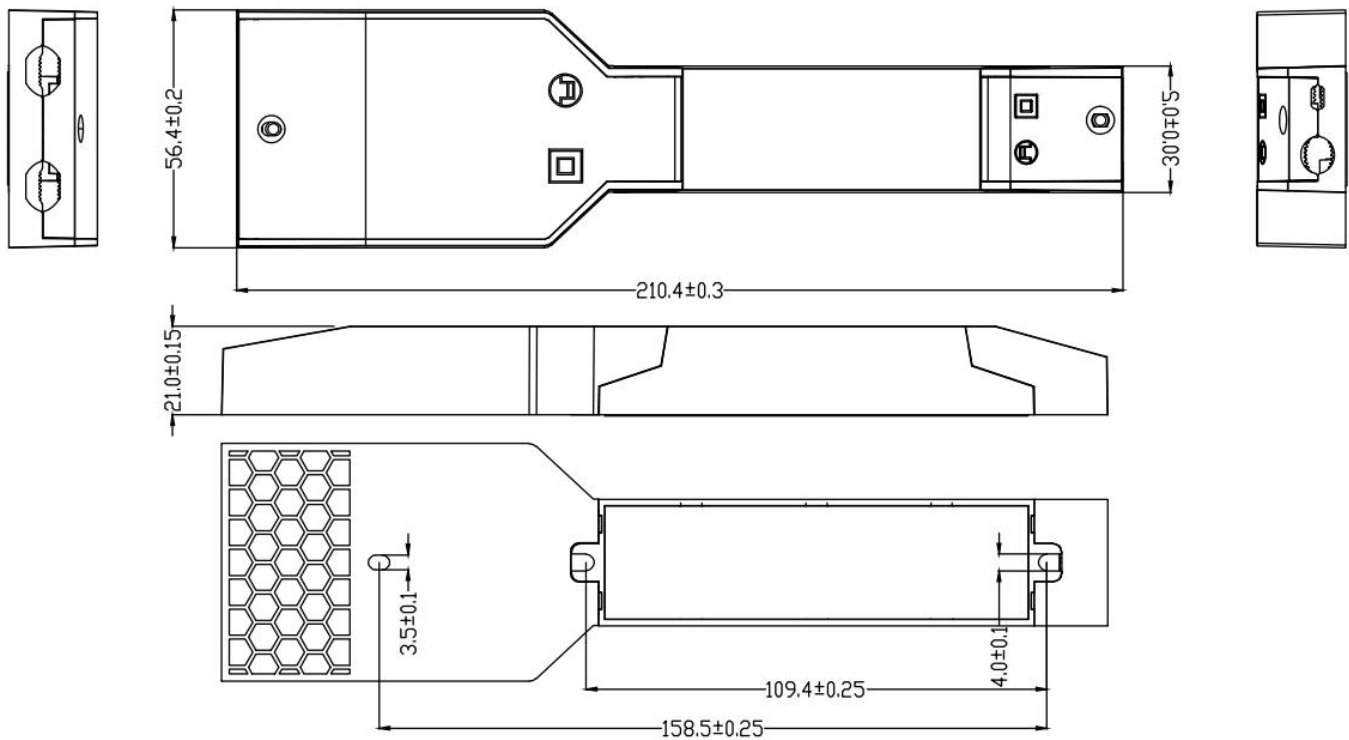
Compatible Small Strain reliefs:SR_CC_15-23-36_UNI

Compatible Large Strain reliefs:SR_CC_15-23-36_3POL

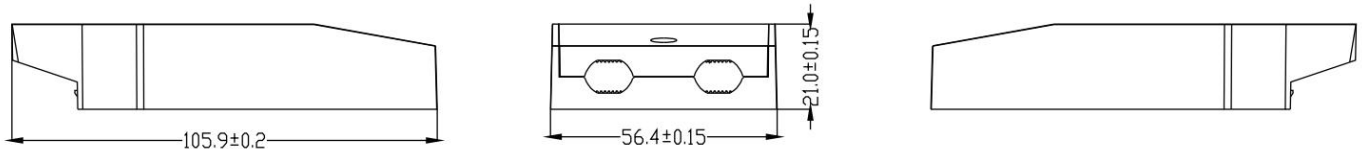
Small Strain reliefs



Large Strain reliefs



Large Strain reliefs specifications



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

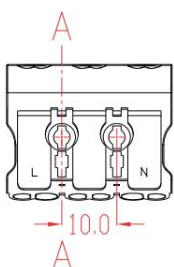
Ambient temperature range: -20...+50 °C

Storage temperature range: -20...+85 °C

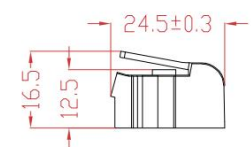
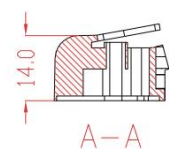
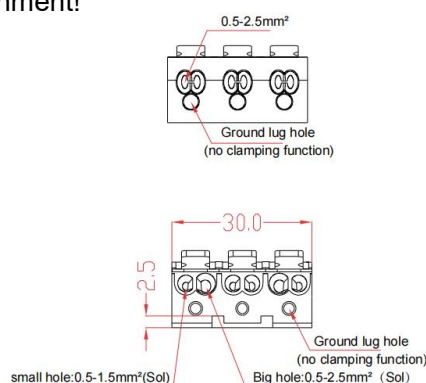
Assembly temperature range: +5...+30 °C

Do not store in wet or humid environment!

Terminal



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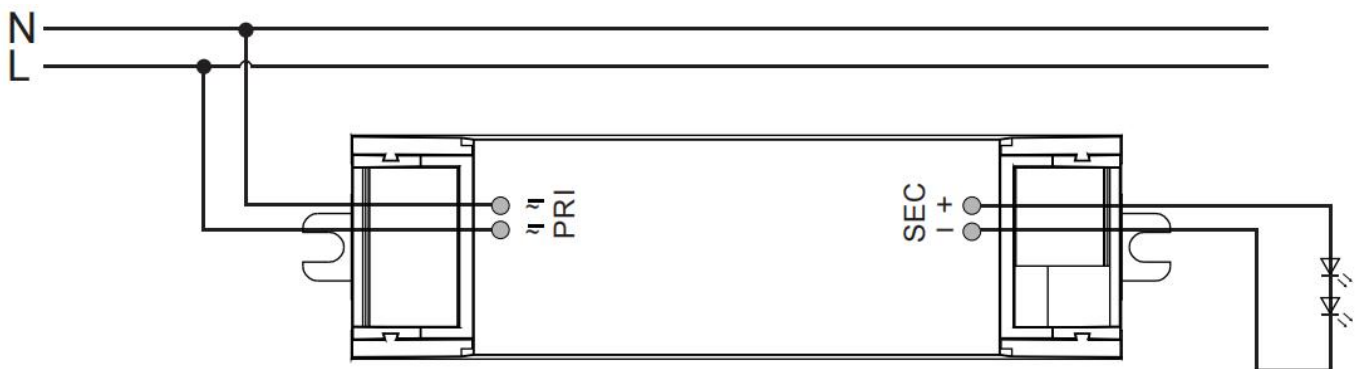


*Unless otherwise stated in the driver datasheet (for independent installation).
Note! Tc max temperature of the driver shall not be exceeded.

4. Wiring Diagram

Figure: Voltage peaks for LED driver without earthing (Above) and with earthing (Below)

100-240 V
0/50/60 Hz



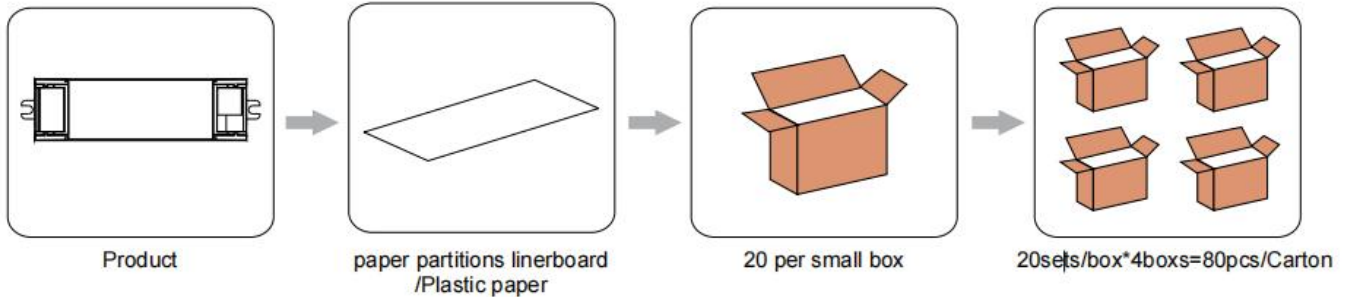
5. Electrical values

1. Operating power windows



6. Packing information

Built-in type



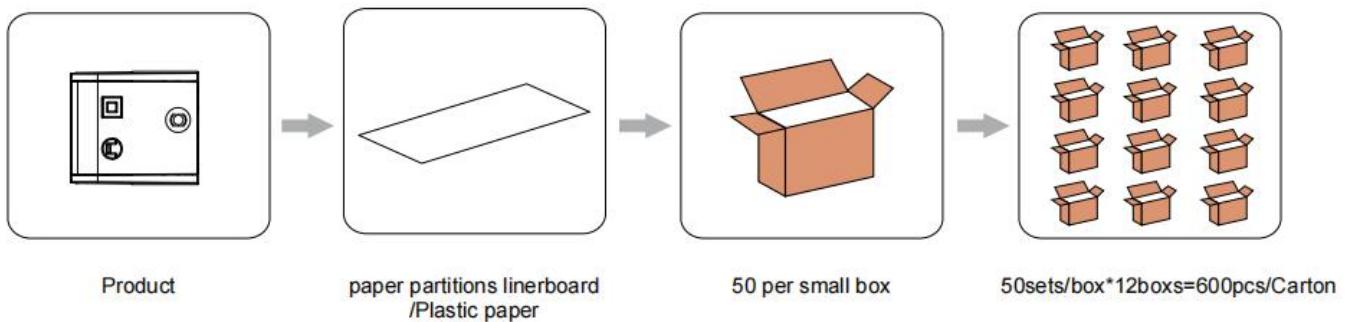
Inner box

Carton L*W*H(mm)	Pcs/Carton	Net weight/ Pcs(kg)	Net weight/ Carton(kg)	Gross weight / Carton(kg)
223*126*73	20	0.076	1.52	1.58

Outer box

Carton L*W*H(mm)	Pcs/Carton	Net weight/ Pcs(kg)	Net weight/ Carton(kg)	Gross weight / Carton(kg)
500*240*280	80	0.076	6.08	6.58

Small Strain reliefs



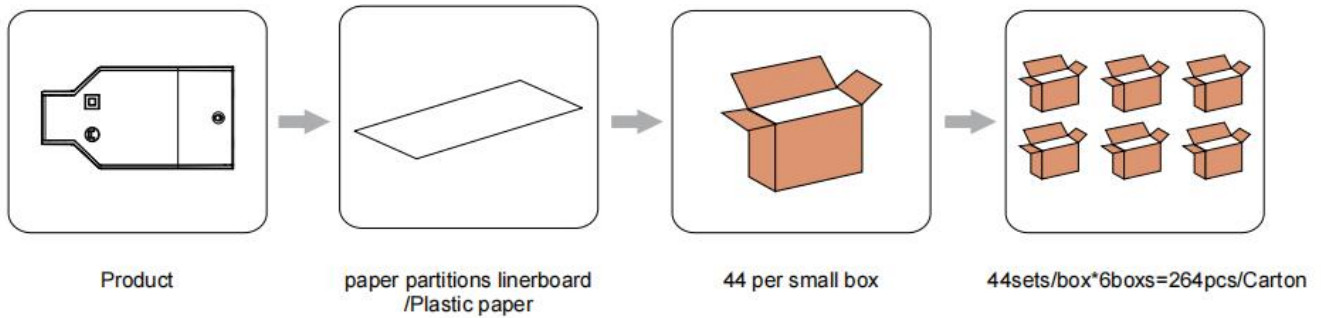
Inner box

Carton L*W*H(mm)	Pcs/Carton	Net weight/ Pcs(kg)	Net weight/ Carton(kg)	Gross weight / Carton(kg)
180*118*75	50	0.007	0.36	0.47

Outer box

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



Inner box

Carton L*W*H(mm)	Pcs/Carton	Net weight/ Pcs(kg)	Net weight/ Carton(kg)	Gross weight / Carton(kg)
300*180*122	44	0.052	2.30	2.60

Outer box

Carton L*W*H(mm)	Pcs/Carton	Net weight/ Pcs(kg)	Net weight/ Carton(kg)	Gross weight / Carton(kg)
375*315*385	264	0.052	13.80	15.60

7. Ordering Data

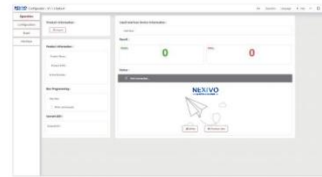
Model No	Item code
CC14W100-700-NFC-UNI-NX	159660
SR_CC_15-23-36_UNI	147841
SR_CC_15-23-36_3POL	151151

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 NEX·IVO NFC reader within few seconds.



Model No	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



Phone smartphones with NFC can be downloaded and used directly

Download method

1.Scan the QR code to download



Android smartphones with NFC can be downloaded and used directly

Android ICON



Main



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
2026.16.03	V0.01	Product release
2026.27.06	V0.02	Increase the current at the highest efficiency point, Add the logo for applying for ENEC certification