



Model	Item Code	Output current	Input current	Input power	Output power range	PF	Efficiency	Output voltage	No load voltage
CC18W100-450-HE-NX	157730	100mA	0.06A	4.50W	2.20-4.20W	0.37-0.55	87%	22-42V	60V Max.
		150mA	0.06A	6.80W	3.30-6.30W	0.47-0.73	87%		
		200mA	0.07A	8.80W	4.40-8.40W	0.59-0.78	90%		
		250mA	0.07A	11.60W	5.50-10.50W	0.70-0.80	90%		
		300mA	0.09A	13.30W	6.60-12.60W	0.72-0.83	90%		
		350mA	0.09A	15.30W	7.70-14.70W	0.75-0.91	91%		
		400mA	0.10A	17.50W	8.80-16.80W	0.76-0.92	91%		
		450mA	0.10A	19.70W	9.90-18.00W	0.79-0.93	91%	22-40V	

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

1. Parameters

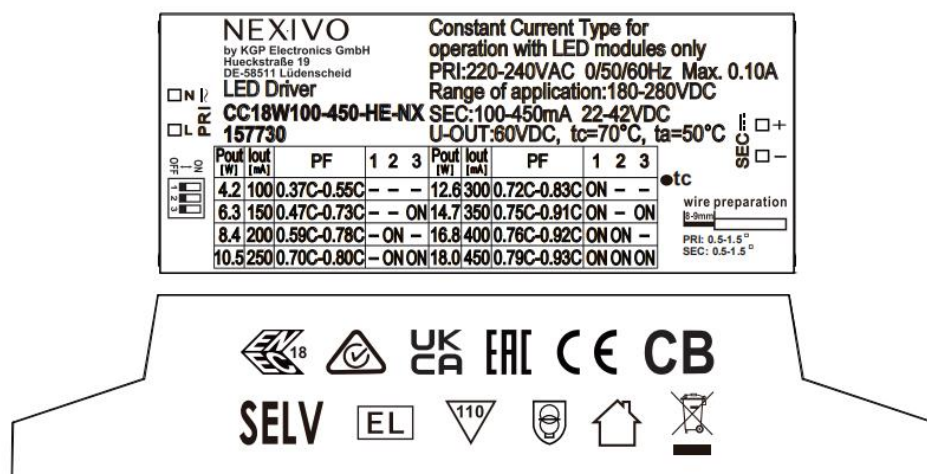
Category	Item	Technical Norm
Features	Output Type	Constant Current
	Output Features	Isolation
	IP Grade	IP20
	Insulation Class	Class II
Input	Rated Input Voltage	220-240VAC
	Range of Input Voltage	198-264VAC
	Range of DC Input Voltage	180-280VDC
	Frequency	0/50/60Hz, Range:0/47-63Hz
	Overvoltage protection	2h@380VAC, 48h@320VAC
	Input Current	≤0.10A
	Input Power	≤19.70W
	Power Factor	≥0.925 (230VAC , full load)
	THD	≤ 15% (230VAC , full load)
	No-load Power Consumption	≤0.5W (230VAC , full load)
	Inrush Current@50%	≤45.2A/1.18us (230VAC, full load)
	Inrush Current	≤26.6A/15.6us (230VAC, full load)

	Connected quantity of 10A Breaker	6pcs/type A;11pcs/type B;18pcs/type C
	Connected quantity of 13A Breaker	9pcs/type A;15pcs/type B;24pcs/type C
	Connected quantity of 16A Breaker	11pcs/type A;18pcs/type B;30pcs/type C
	Connected quantity of 20A Breaker	14pcs/type A;23pcs/type B;37pcs/type C
Output	Output Voltage Range	22-42VDC@100-400mA, 22-40VDC@450mA
	No Load Voltage	60VDC Max.
	Output Current	100-450mA (Factory set current of 100mA)
	Max. Output Power	18W
	Efficiency	≥91% 230VAC, full load
	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℃
	Ts/Storage Temperature	-20....+70℃
	Tc/Enclosure Temperature	70℃
	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)
	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	EN62384
	Surge	L/N-PE:2kV; L-N:1kV
	Others	
Others	RoHS	complied to 2011/65/EU
	Life Time	50000h Tc=70°C/Ta=50°C
		75000h Tc=65°C/Ta=50°C
		100000h Tc=60°C/Ta=50°C
	Warranty	5years , F.R. < 10000ppm
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.		

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

2. Label

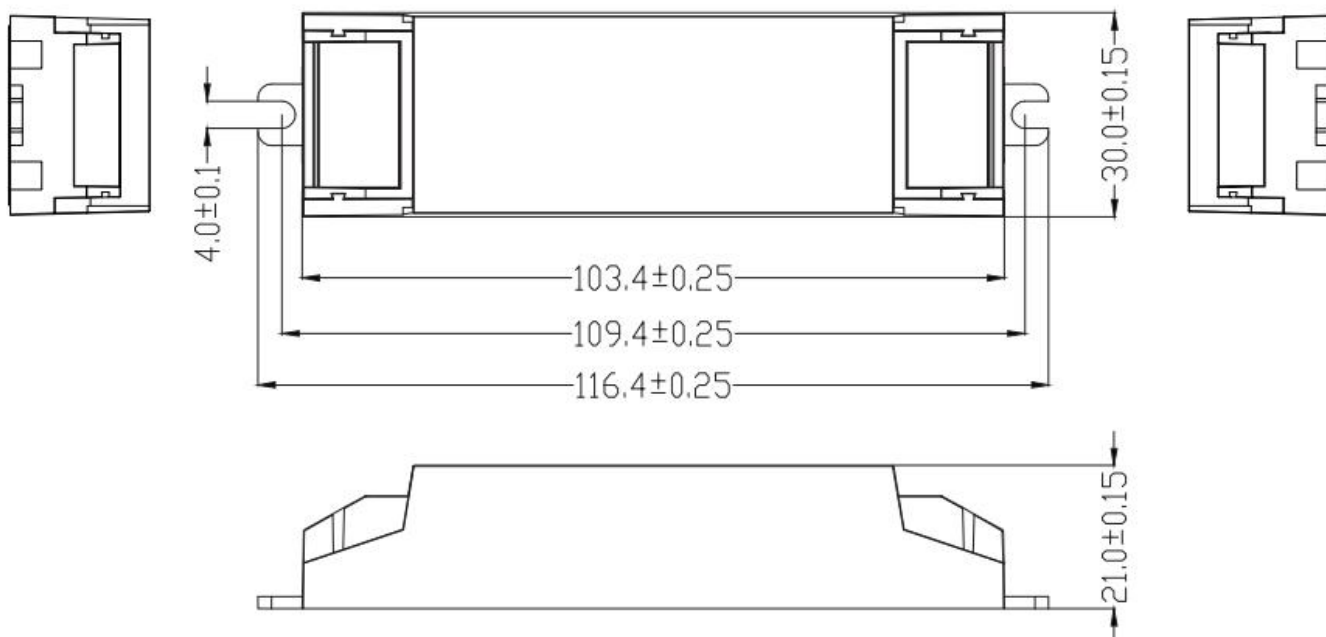


3. Output current setting

Output Current	1	2	3
100mA	-	-	-
150mA	-	-	ON
200mA	-	ON	-
250mA	-	ON	ON
300mA	ON	-	-
350mA	ON	-	ON
400mA	ON	ON	-
450mA	ON	ON	ON

4. Dimension (Unit: mm)

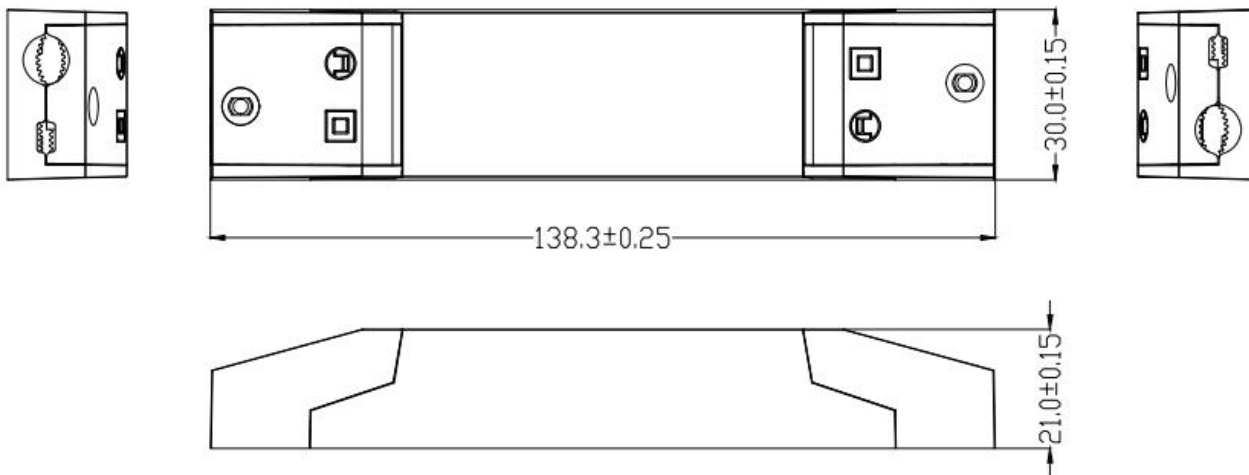
Built in type:



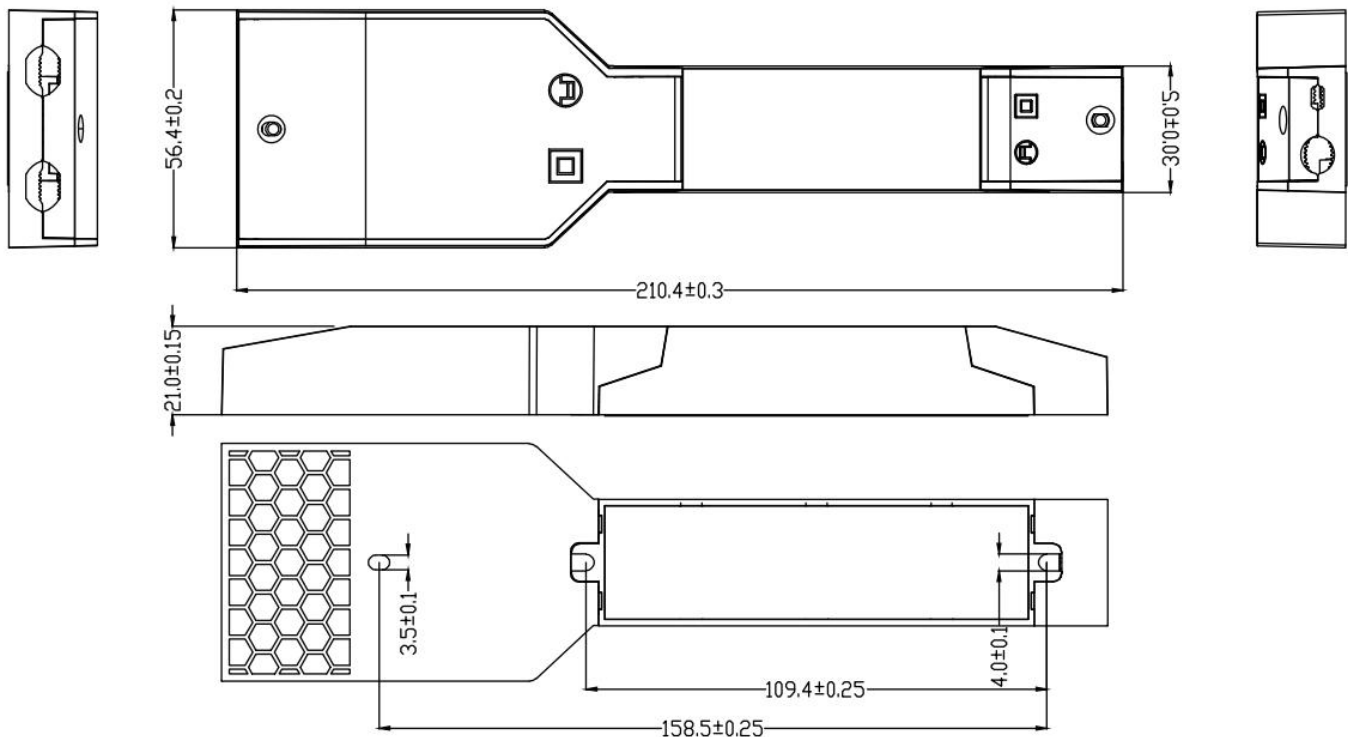
Compatible Small Strain reliefs:SR_CC15-23-36

Compatible Large Strain reliefs:SR_CC15-23-36_3POL

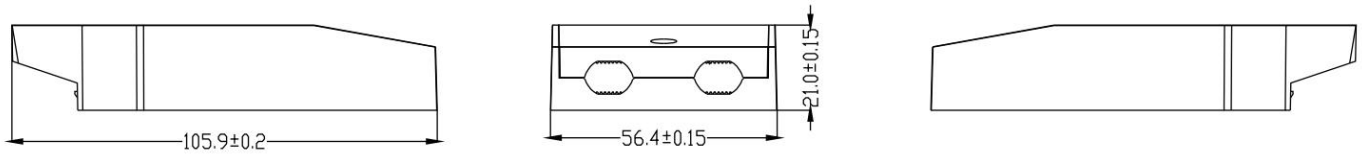
Small Strain reliefs



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

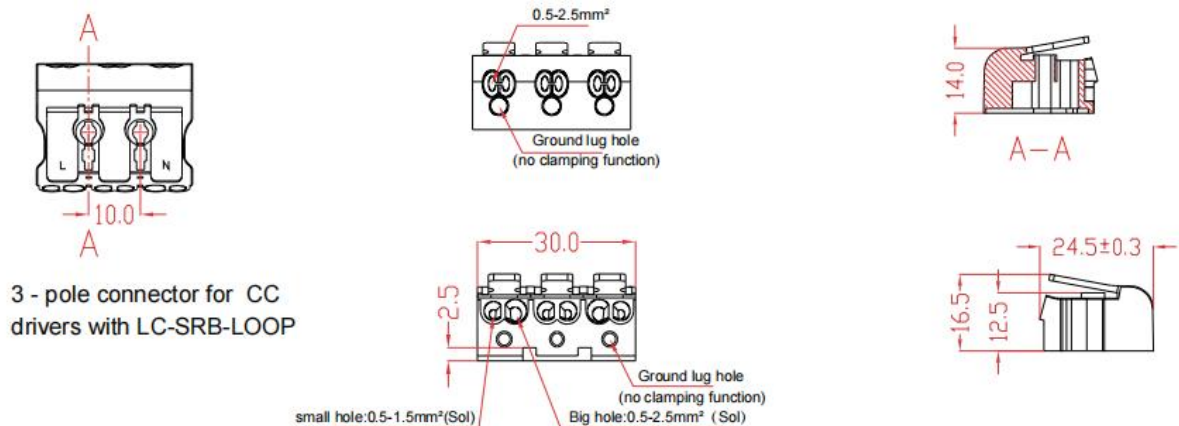
Assembly temperature range: +5...+30 °C

Do not store in wet or humid environment!

*Unless otherwise stated in the driver datasheet (for independent installation).

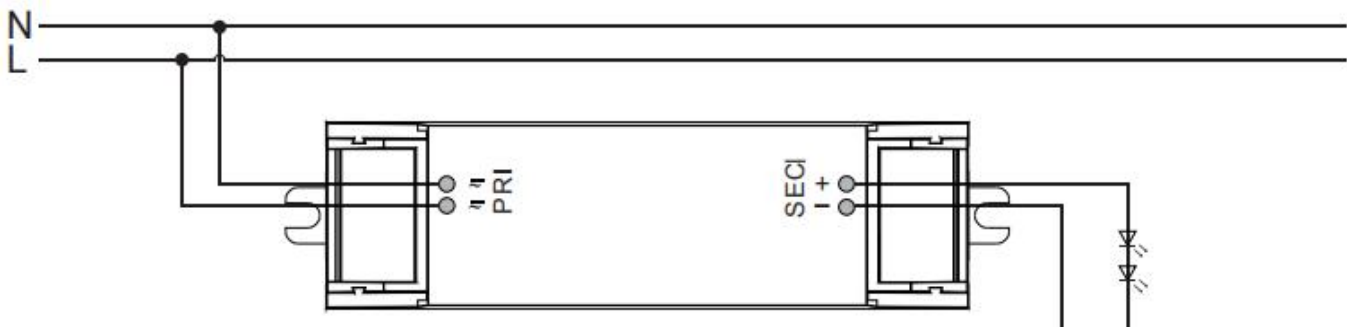
Note! T_c max temperature of the driver shall not be exceeded.

Terminal



5. Wiring Diagram

220-240 V
0/50/60 Hz



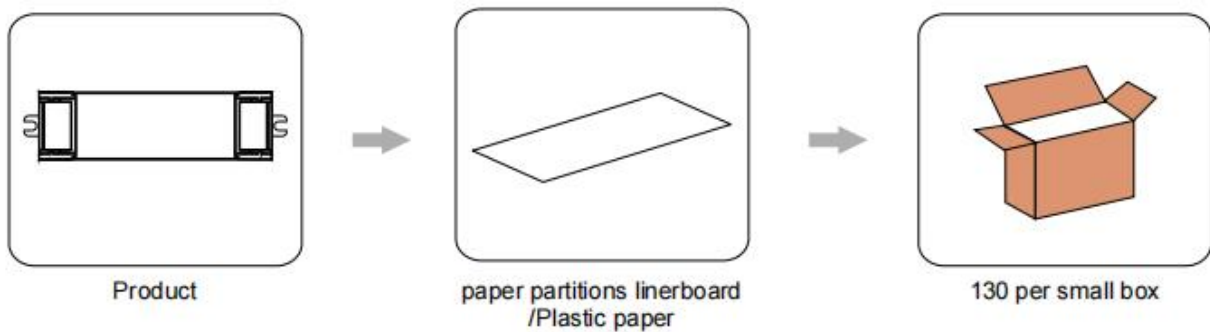
6. Electrical values

1. Operating power windows



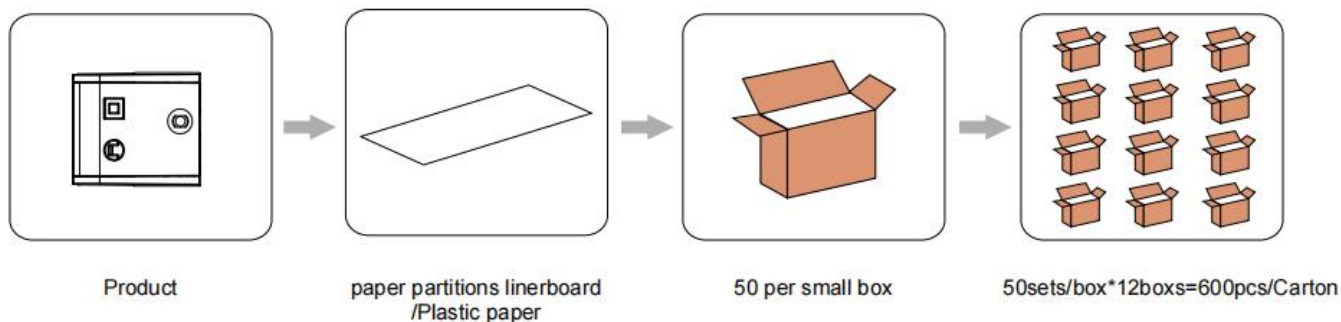
7. Packing information

Built-in type



Carton L*W*H(mm)	Pcs/Carton	Net weight/ Pcs(kg)	Net weight/ Carton(kg)	Gross weight / Carton(kg)
398*230*130	130	0.07	9.10	9.60

Small Strain reliefs



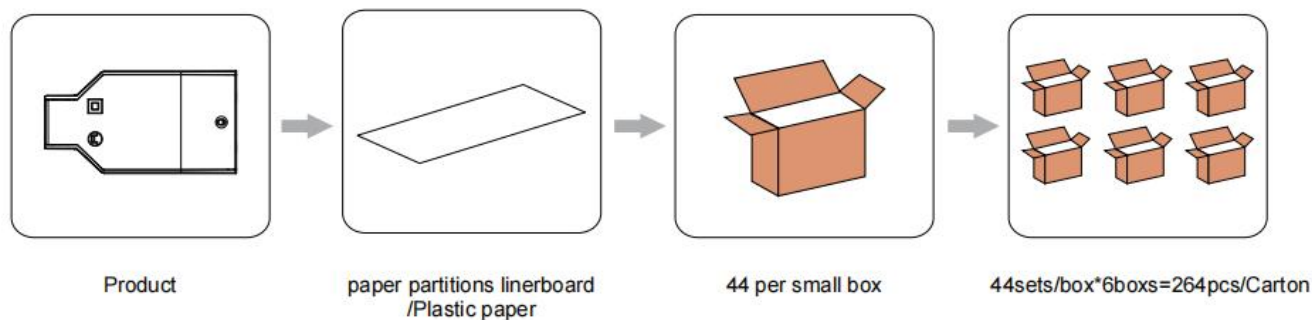
Inner box

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

8. Ordering Data

Model No	Item code
CC18W100-450-HE-NX	157730
SR_CC_15-23-36	147841
SR_CC_15-23-36_3POL	151151

9. REVISION HISTORY

Date	Revision	Remark
2026.16.03	V0.01	Product release