

Model	Item Code	Output current	Input current	Input power	Output power range	PF	Efficiency	Output voltage	No load voltage
CC25W300-1050-UNI-NX	160250	300mA	0.17A	15.70W	2.70-13.50W	0.91-0.98	86.0 %	9-45V	59V Max.
		350mA	0.20A	18.30W	3.20-15.80W	0.92-0.98	86.1 %	9-45V	
		400mA	0.23A	20.90W	3.60-18.00W	0.93-0.98	86.0 %	9-45V	
		450mA	0.26A	23.60W	4.10-20.30W	0.94-0.98	85.7 %	9-45V	
		500mA	0.29A	26.40W	4.50-22.50W	0.95-0.99	85.3 %	9-45V	
		550mA	0.32A	29.20W	5.00-24.80W	0.96-0.99	84.7 %	9-45V	
		600mA	0.32A	29.30W	5.40-24.60W	0.96-0.99	84.0 %	9-41V	
		650mA	0.32A	30.00W	5.90-24.70W	0.97-0.99	83.5 %	9-38V	
		700mA	0.32A	29.40W	6.30-24.50W	0.97-0.99	83.3 %	9-35V	
		750mA	0.32A	29.90W	6.80-24.80W	0.97-0.99	82.8 %	9-33V	
		800mA	0.32A	30.10W	7.20-24.80W	0.97-0.99	82.4 %	9-31V	
		850mA	0.32A	30.20W	7.70-24.70W	0.97-0.99	81.8 %	9-29V	
		900mA	0.32A	29.90W	8.10-24.30W	0.97-0.99	81.4 %	9-27V	
		950mA	0.32A	30.50W	8.60-24.70W	0.97-0.99	81.1 %	9-26V	
		1000mA	0.32A	31.00W	9.00-25.00W	0.97-0.99	80.8 %	9-25V	
		1050mA	0.32A	29.90W	9.50-24.20W	0.97-0.99	80.7 %	9-23V	

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

1. Parameters

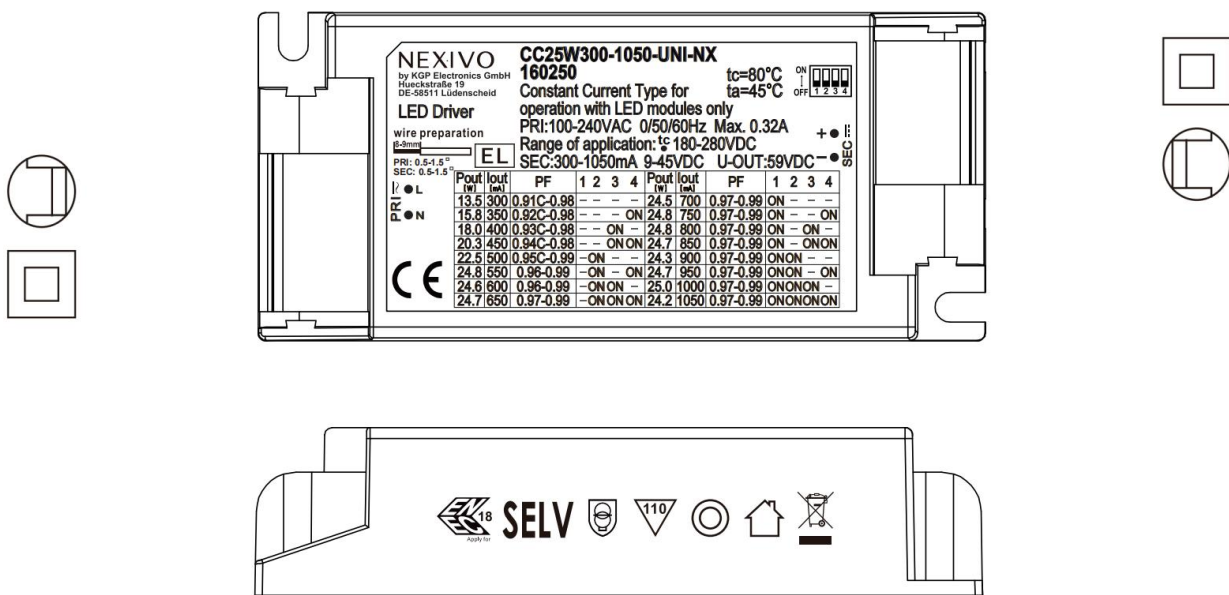
Category	Item	Technical Norm
Features	Output Type	Constant Current
	Output Features	Isolation
	IP Grade	IP20
	Insulation Class	Class II

Input	Rated Input Voltage	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	≤0.32A (100VAC , full load)
	Input Power	≤29.90W (100VAC , full load)
	Power Factor	≥0.99 (100VAC , full load)
	THD	≤7% (100VAC , full load)
	No-load Power Consumption	≤0.5W (100VAC , full load)
	Inrush Current	≤9.4A/2.3us (100VAC, full load)
	Connected quantity of 10A Breaker	20pcs/type A ; 33pcs/type B ; 53pcs/type C
	Connected quantity of 13A Breaker	27pcs/type A; 43pcs/type B ; 69pcs/type C
Output	Connected quantity of 16A Breaker	33pcs/type A; 53pcs/type B ; 85pcs/type C
	Connected quantity of 20A Breaker	41pcs/type A; 66pcs/type B ; 106pcs/type C
	Output Voltage Range	9-45VDC@300-550mA 9-41VDC@600mA; 9-38VDC@650mA 9-35VDC@700mA; 9 -33VDC@750mA 9-31VDC@800mA; 9-29VDC@850mA 9-27VDC@900mA; 9-26VDC@950mA 9-25VDC@1000mA; 9 -23VDC@1050mA
	No Load Voltage	59VDC Max.
	Output Current	300-1050mA (Factory set current of 300mA)
	Max. Output Power	25W
	Efficiency	≥86.1% @350mA, 100VAC
	Output LF current ripple (< 120 Hz)	±3% (Imax-Imin) / (Imax+Imin)
	Current Accuracy	±5%
	PSTLM	≤1
	SVM	≤0.4
Protection	Starting Time (AC mode)	≤0.5S (100VAC, full load)
	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	-25....+45℃
	Ts/Storage Temperature	-25....+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	PVC,VDE certificated,0.5-1.5 ,with 8mm tin

	SEC Wire preparation	PVC,VDE certificated,0.5-1.5 ,with 8mm tin
	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	97.5*44*23mm (L*W*H)
Standards	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
Others	RoHS	complied to 2011/65/EU
	Life Time	50000h Tc=80°C
		75000h Tc=75°C
		100000h Tc=70°C
	Warranty	5years , F.R. < 10000ppm
Remark: 1.All Parameters,if not specified,are measured at 100VAC/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

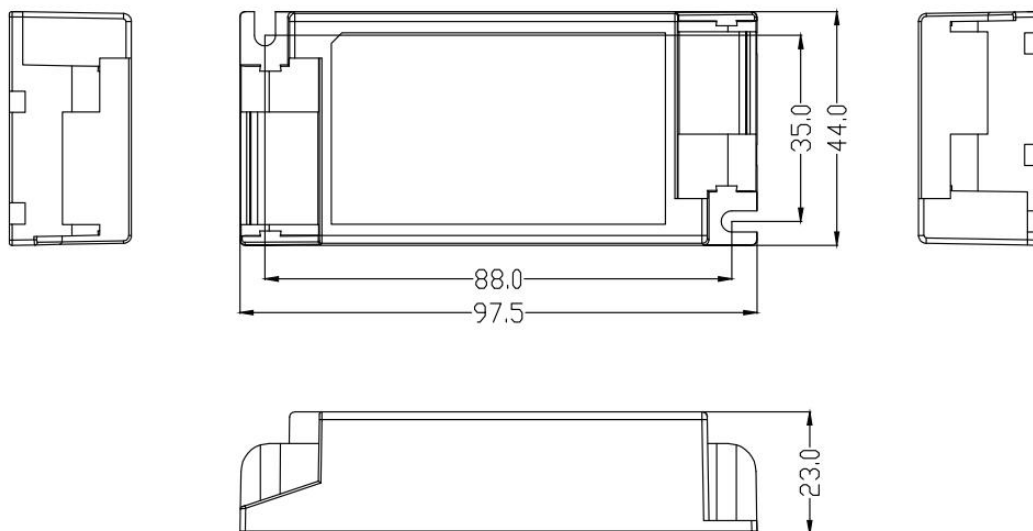


3. Output current setting

Output Current	1	2	3	4
300mA	-	-	-	-
350mA	-	-	-	ON
400mA	-	-	ON	-
450mA	-	-	ON	ON
500mA	-	ON	-	-
550mA	-	ON	-	ON
600mA	-	ON	ON	-
650mA	-	ON	ON	ON
700mA	ON	-	-	-
750mA	ON	-	-	ON
800mA	ON	-	ON	-
850mA	ON	-	ON	ON
900mA	ON	ON	-	-
950mA	ON	ON	-	ON
1000mA	ON	ON	ON	-
1050mA	ON	ON	ON	ON

4. Dimension (Unit: mm)

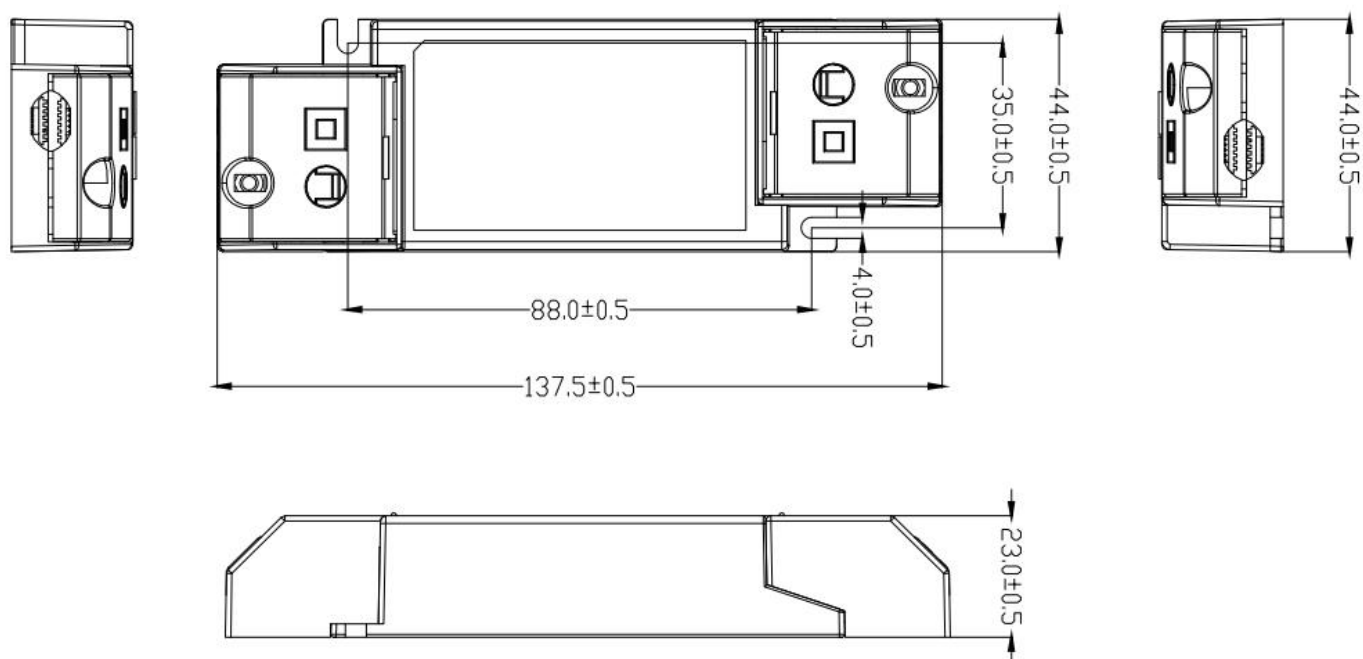
Built in type:



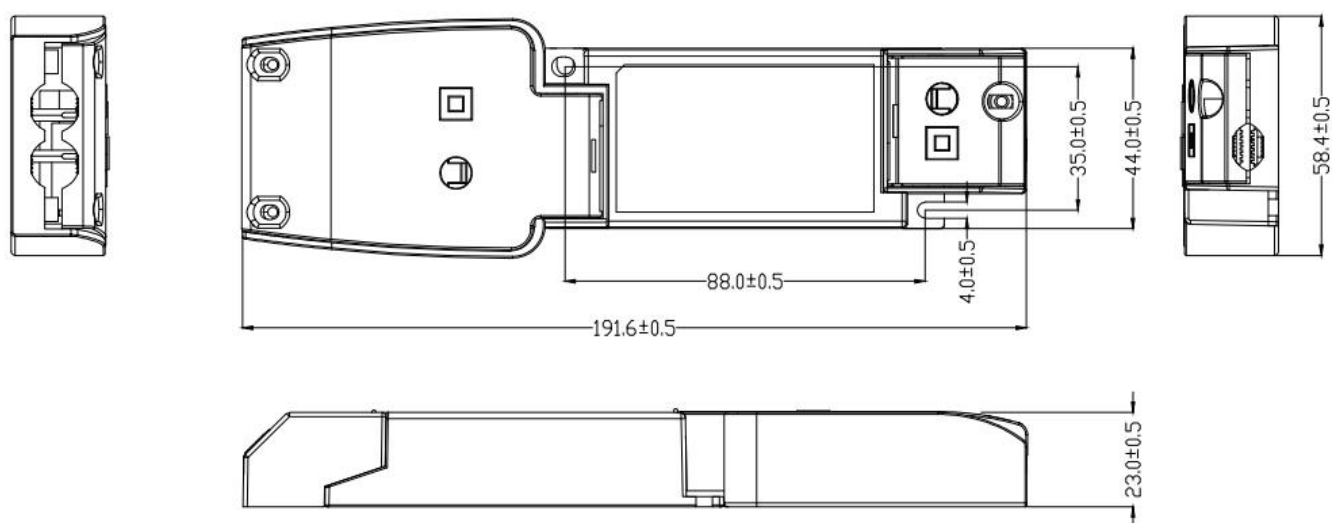
Compatible Small Strain reliefs:SR_CC_21-30-44_80

Compatible Large Strain reliefs:SR_CC_21-30-44-80_3POL

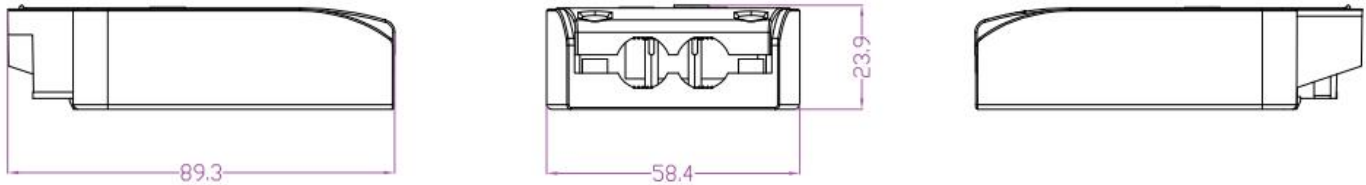
Small Strain reliefs



Large Strain reliefs



Large Strain reliefs specifications



Tolerance for dimensions ± 0.1 mm

Mechanical, Operating & Storage Conditions

Driver cross-section dimensions: 57.4-59.4 x 22.9-24.9 mm

Wire size: 0.5 - 2.5 mm²

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

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

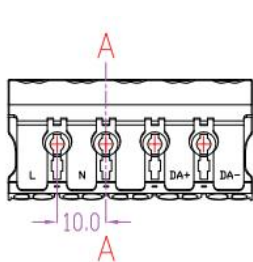
Assembly temperature range: +5...+30 °C

Do not store in wet or humid environment!

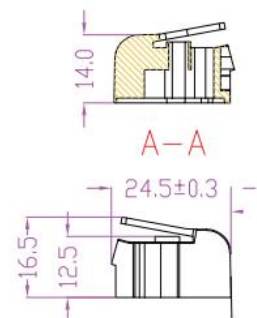
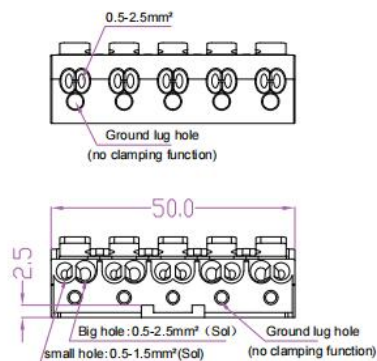
*Unless otherwise stated in the driver datasheet (for independent installation).

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

Terminal

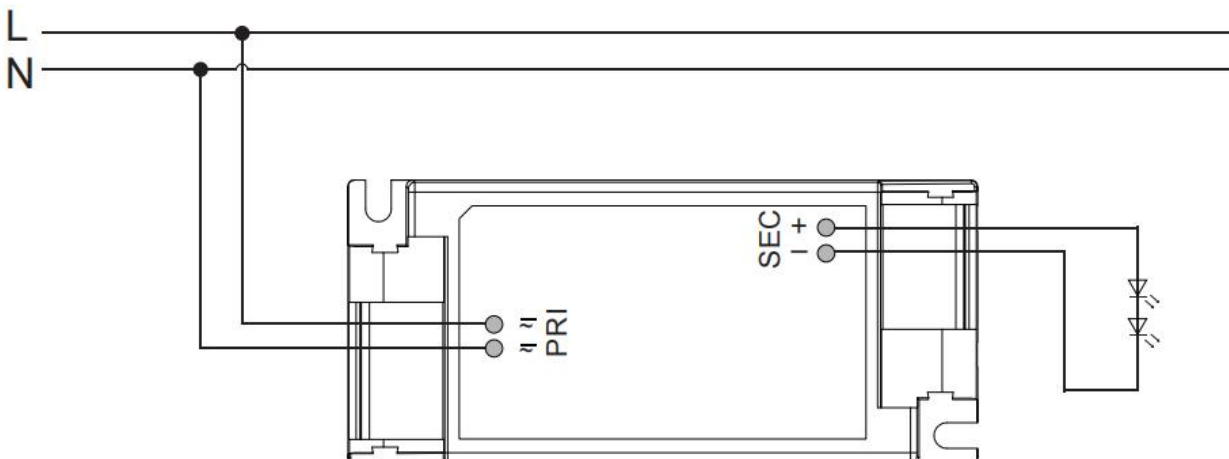


5 - pole connector for DA / CC drivers with LC-SRB-LOOP



5. Wiring Diagram

100-240 V
0/50/60 Hz



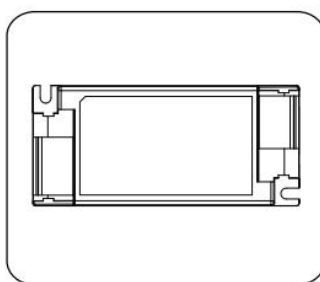
6. Electrical values

1. Operating power windows

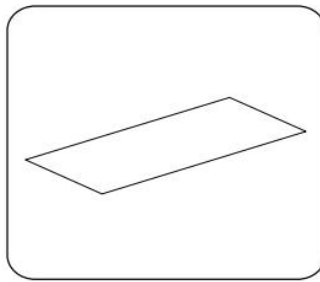


7. Packing information

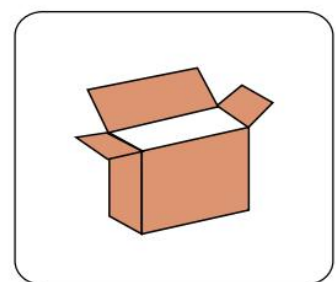
Built-in type



Product



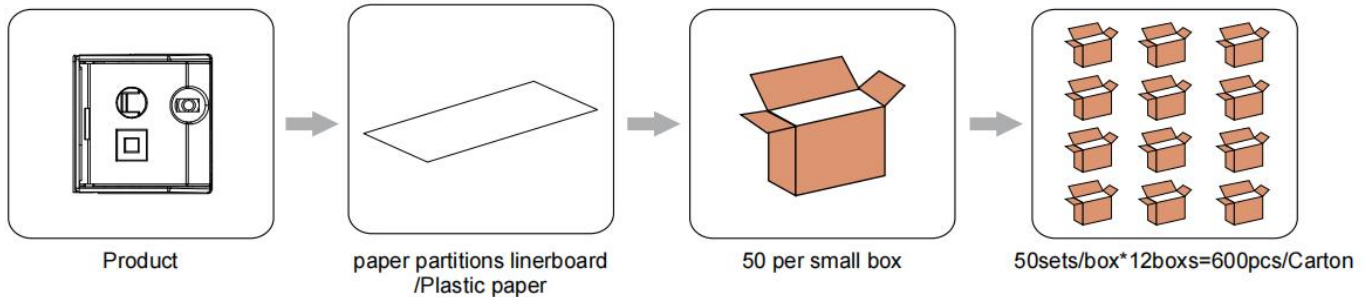
paper partitions linerboard
/Plastic paper



100 per small box

Carton	Pcs/Carton	Net weight/ Pcs(kg)	Net weight/ Carton(kg)	Gross weight / Carton(kg)
L*W*H(mm)				
398*230*130	100	0.124	12.40	12.75

Strain reliefs



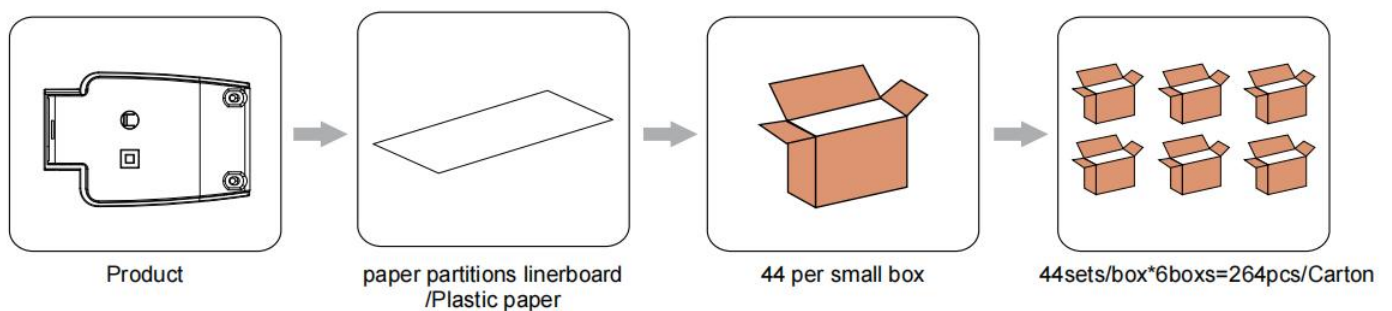
Inner box

Carton	Pcs/Carton	Net weight/ Pcs(kg)	Net weight/ Carton(kg)	Gross weight / Carton(kg)
L*W*H(mm)				
224*138*90	50	0.008	0.40	0.76

Outer box

Carton	Pcs/Carton	Net weight/ Pcs(kg)	Net weight/ Carton(kg)	Gross weight / Carton(kg)
L*W*H(mm)				
460*430*195	600	0.008	4.26	4.76

Large Strain reliefs



Inner box

Carton	Pcs/Carton	Net weight/ Pcs(kg)	Net weight/ Carton(kg)	Gross weight / Carton(kg)
L*W*H(mm)				
300*180*122	44	0.059	2.63	2.78

Outer box

Carton	Pcs/Carton	Net weight/ Pcs(kg)	Net weight/ Carton(kg)	Gross weight / Carton(kg)
L*W*H(mm)				
375*315*385	264	0.059	15.72	17.26

8. Ordering Data

Model No	Item code
CC25W300-1050-UNI-NX	160250
SR_CC_21-30-44	147921
SR_CC_21-30-44_3POL	147931

9. REVISION HISTORY

Date	Revision	Remark
2026.16.03	V0.01	Product release
2026.27.06	V0.02	Add the logo for applying for ENEC certification