



Model	Item Code	Output current	Input current	Input power	Output power range	PF	Efficiency	Output voltage	No load voltage
CC20W300-500-NX	161430	300mA	0.09A	14.20W	6.00-12.30W	0.43-0.89	86.8%	20-42V	59V Max.
		350mA	0.10A	16.80W	7.00-14.70W	0.45-0.91	87.5%	20-42V	
		400mA	0.11A	19.10W	8.00-16.80W	0.49-0.93	88.2%	20-42V	
		500mA	0.12A	22.50W	10.00-20.00W	0.53-0.94	89.0%	20-40V	

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

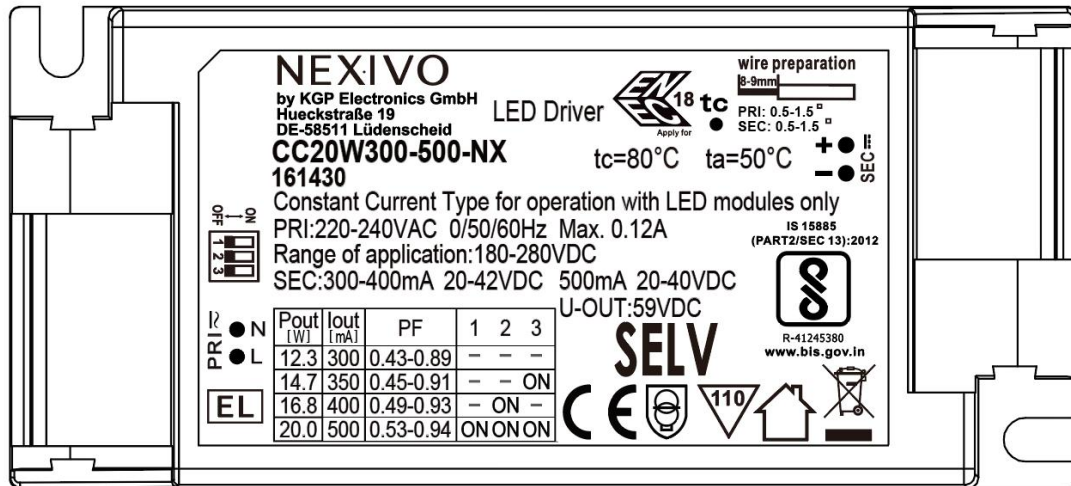
1. Parameters

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	48hrs@320VAC, 2hrs@360VAC, 5mins@380VAC
	Input Current	≤0.12A (230VAC , full load)
	Input Power	≤22.50W (230VAC , full load)
	Power Factor	≥0.94 (230VAC , full load)
	THD	≤8% (230VAC , full load)
	No-load Power Consumption	≤0.5W (230VAC , full load)
	Inrush Current	≤7.0A/16us (230VAC, full load)
	Connected quantity of 10A Breaker	27pcs/type A ; 44pcs/type B ; 71pcs/type C
Output	Connected quantity of 13A Breaker	36pcs/type A ; 58pcs/type B ; 92pcs/type C
	Connected quantity of 16A Breaker	44pcs/type A ; 71pcs/type B ; 114pcs/type C
	Connected quantity of 20A Breaker	55pcs/type A ; 89pcs/type B ; 142pcs/type C
	Output Voltage Range	20-42VDC@300-400mA 20-40VDC@500mA

	No Load Voltage	59VDC Max.
	Output Current	300-500mA (Factory set current of 300mA)
	Max. Output Power	20W
	Efficiency	≥89% 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....+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:4kV; L-N:2kV
Others	RoHS	Complied to 2011/65/EU
	Life Time	50000h Tc=80℃
		75000h Tc=75℃
		100000h Tc=70℃
	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	0.5mm ²	0.75mm ²	1.0mm ²

2. Label

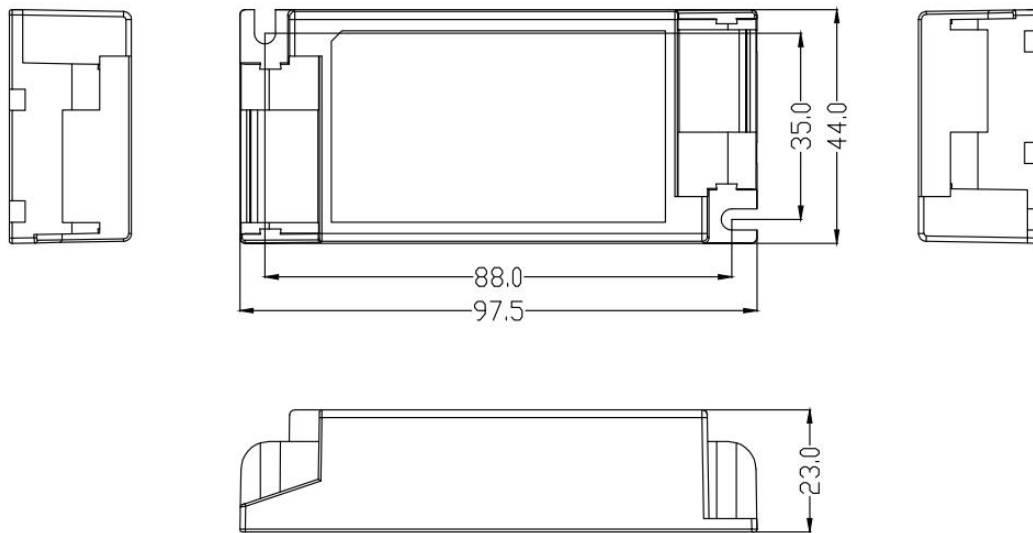


3. Output current setting

Output Current	1	2	3
300mA	-	-	-
350mA	-	-	ON
400mA	-	ON	-
500mA	ON	ON	ON

4. Dimension (Unit: mm)

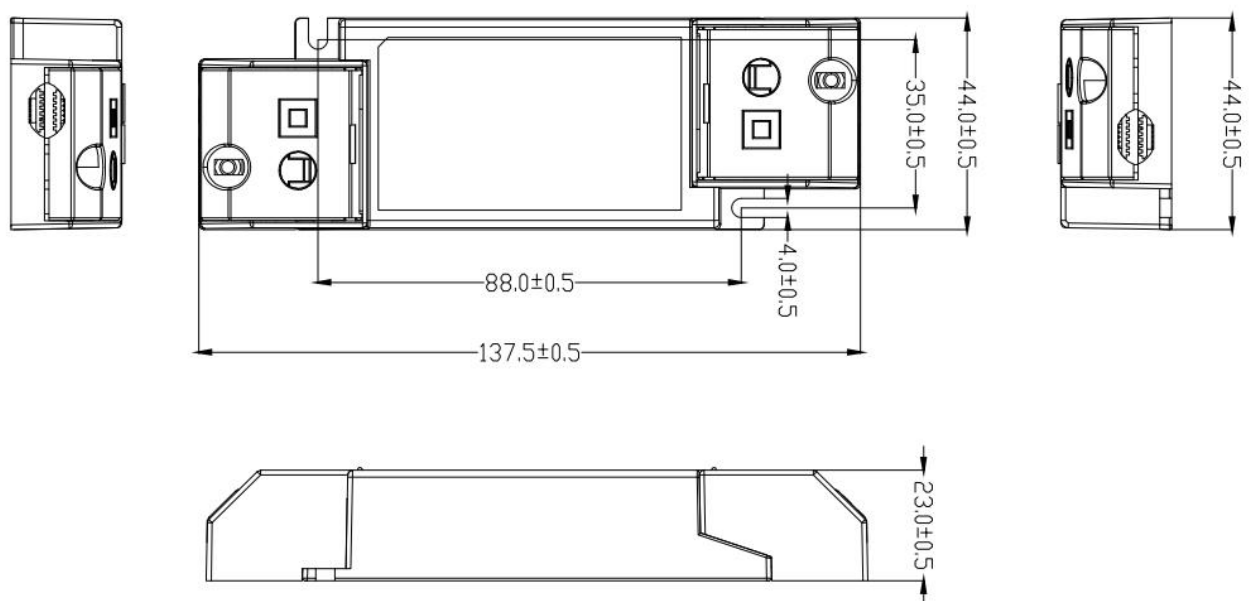
Built in type:



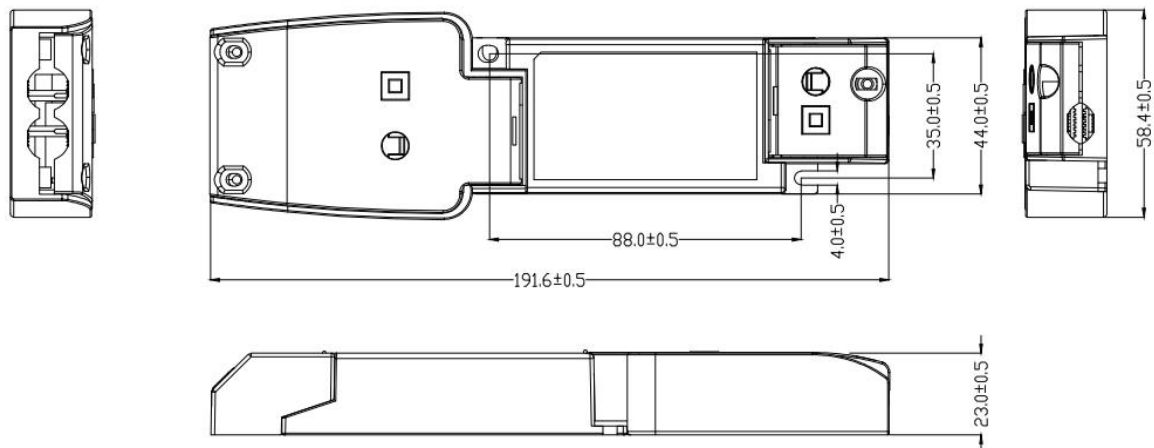
Compatible Small Strain reliefs:SR_CC_21-30-44_80

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

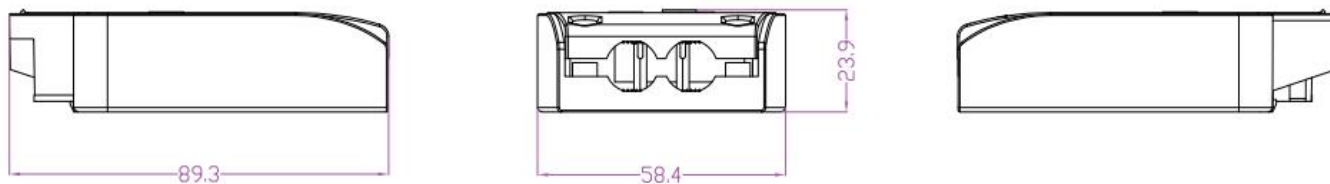
Small Strain reliefs



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

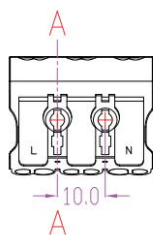
Assembly temperature range: +5...+30 °C

Do not store in wet or humid environment!

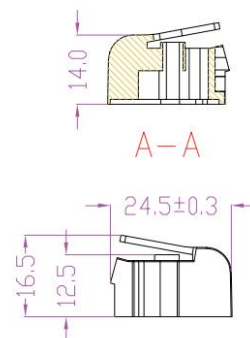
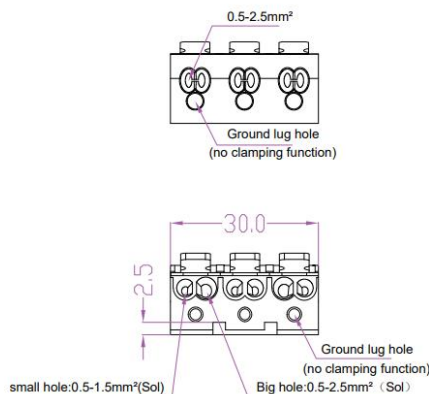
*Unless otherwise stated in the driver datasheet (for independent installation).

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

Terminal

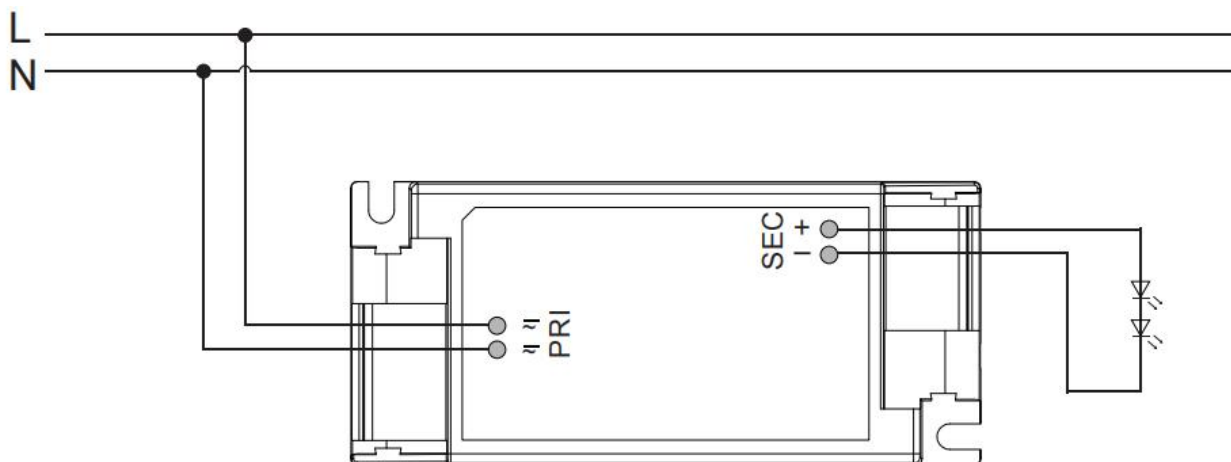


3 - pole connector for CC drivers with LC-SRB-LOOP



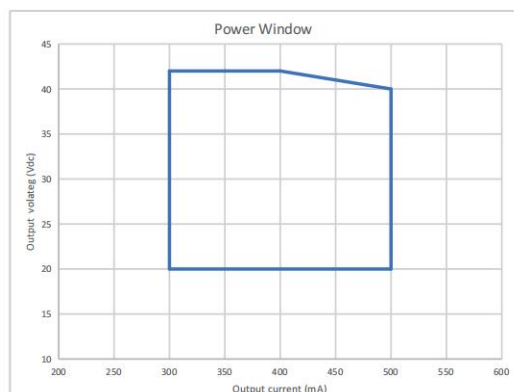
5. Wiring Diagram

220-240 V
0/50/60 Hz

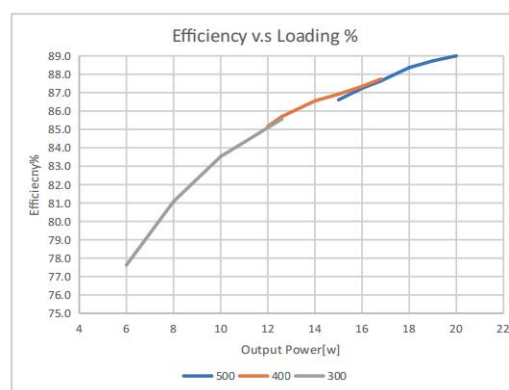


6. Electrical values

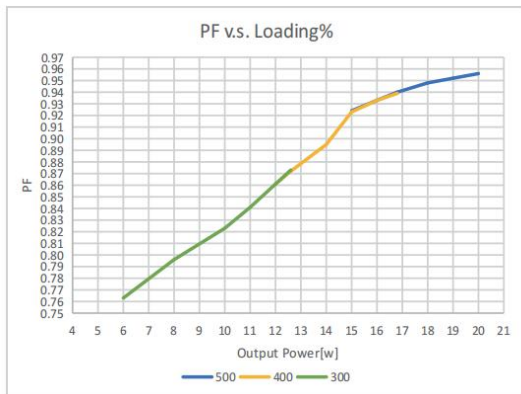
1. Operating power windows



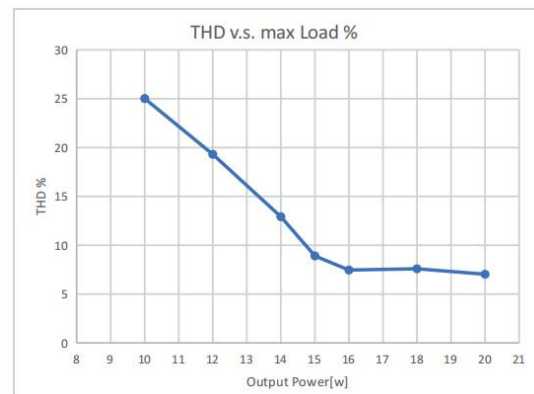
2. Efficiency v.s. Load



3. PF v.s. Load



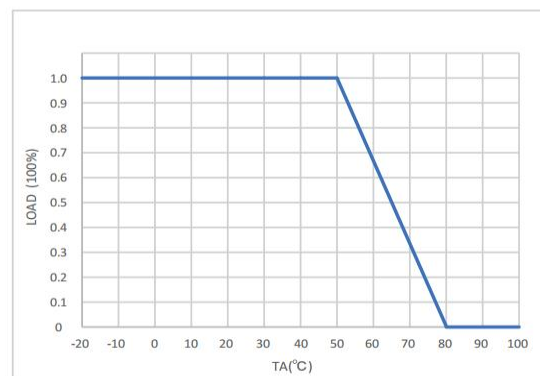
4. THD v.s. Load



5. Life time

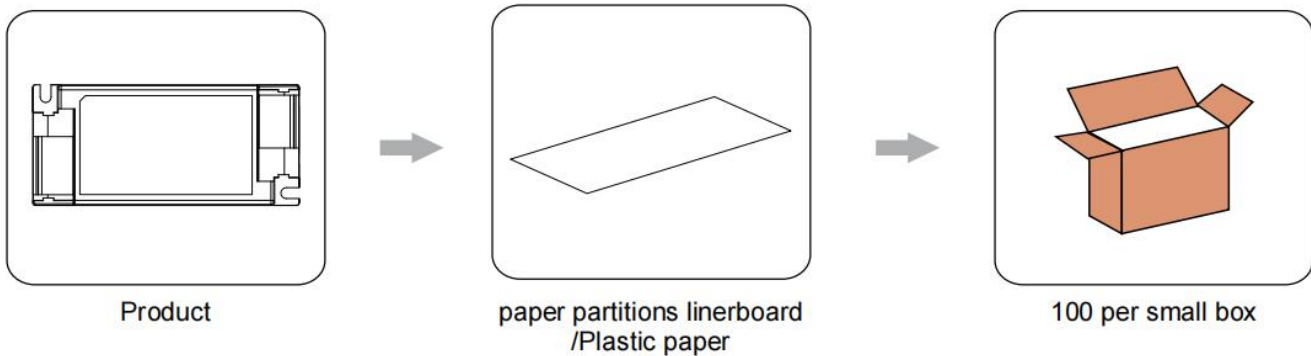


6. Derating



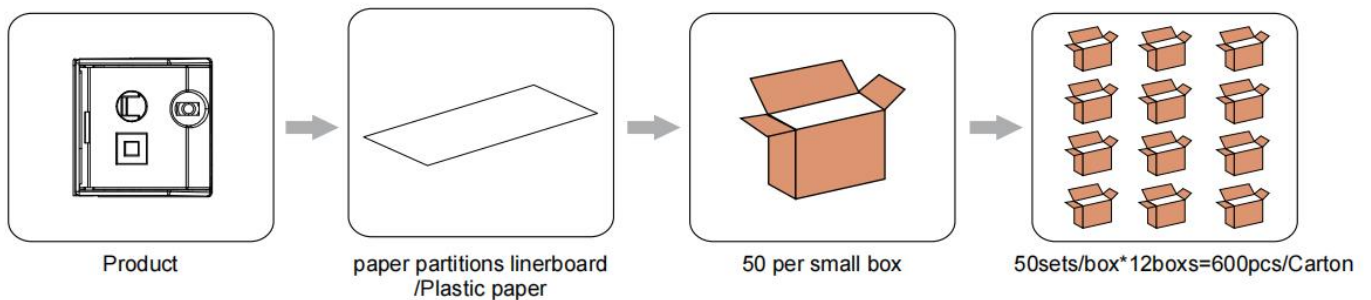
7. Packing information

Built-in type



Carton	Pcs/Carton	Net weight/ Pcs(kg)	Net weight/ Carton(kg)	Gross weight / Carton(kg)
L*W*H(mm)				
398*230*130	100	0.076	7.60	7.80

Strain reliefs



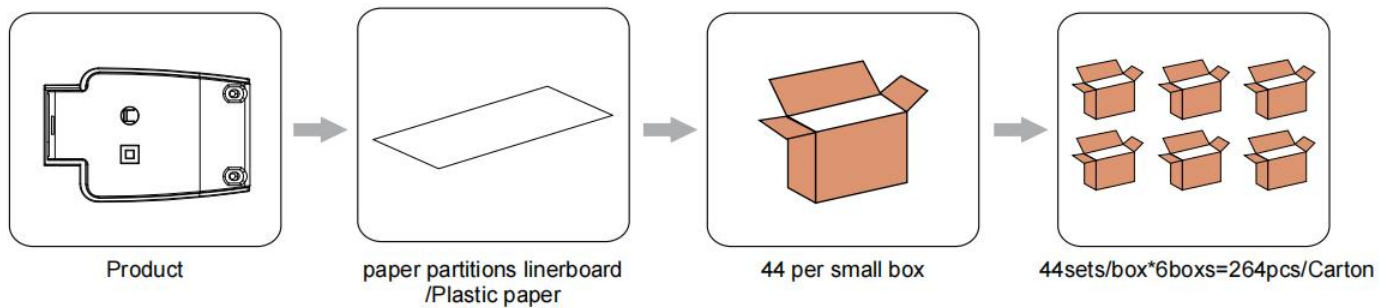
Inner box

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	0.055	2.42	2.58

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	0.055	14.52	16.16

8. Ordering Data

Model No	Item code
CC20W300-500-NX	161430
SR_CC_21-30-44_80	147921
SR_CC_21-30-44-80_3POL	147931

9. REVISION HISTORY

Date	Revision	Remark
2026.12.06	V0.01	Product release
2026.13.07	V0.02	Add the logo for applying for ENEC certification, Label, update images