

NEOS

HIGH FREQUENCY

The NEOS series was developed to satisfy the need to install the battery charger on-board of any electrical vehicle.

Resistant to vibrations and bumps, with a new applied technology, it's the ideal product for every use.

The many accessories and supports allows its use also off-board.





IP67

With a **protection degree of IP67**, the battery charger is completely resistant to water and dust.

It can resist to brief period of total immersion in water.



SAFE and RELIABLE

The battery charger is **completely safe and reliable** for long operation work and charging cycles thanks to the many safety control of which it's equipped with.

Among these, we can find:

- External and internal thermal probe
- Short circuit protection
- Overcurrent protection
- Self-diagnosis for anomalies



HIGH EFFICIENCY

The NEOS series offers an efficiency of $\geq 94\%$ and a power factor $\geq 0,99$.



LOW BATTERIES

The charger reads the voltage of the battery and through the wide ranges that the program allows, the standard charging cycle will begin following the standard charging parameters even if the voltage read from the battery is very low.



PFC and SOFT START

The series is equipped with **Active PFC** to follow the European standards.

Also programmed with **soft start** to avoid absorption peaks when the charger is switched on and avoid damage caused to the battery by the initial charging current peak.



ON-BOARD USE

With the protection degree of IP67, the special box used and an innovative building technology, make the charger resistant to vibrations, to bumps and bad weather so is **perfect for on-board use**.



FAST CHARGES

Based on size of the battery charger related to the battery that it will charge, it offers the possibility to perform **fast charges**.



IDEAL FOR EVERY BATTERY

Based on the installed charging curve, it's possible to charge any type of battery (AGM, GEL, Lead acid, Lithium).



PLUG-N-PLAY

All the models are supplied with the Schuko power supply plug that allows an immediate put in use of the charger without the need to install special industrial plugs.



ACCESSORIES

The battery charger can be customized based on the customer's specific necessities with the installation of different accessories

The available accessories are:

- Customized supports
- Remote charge status indicator
- Interlock (key system)
- Sticker battery thermal probe
- Extended range (85 – 265 Vac input)

MODELS

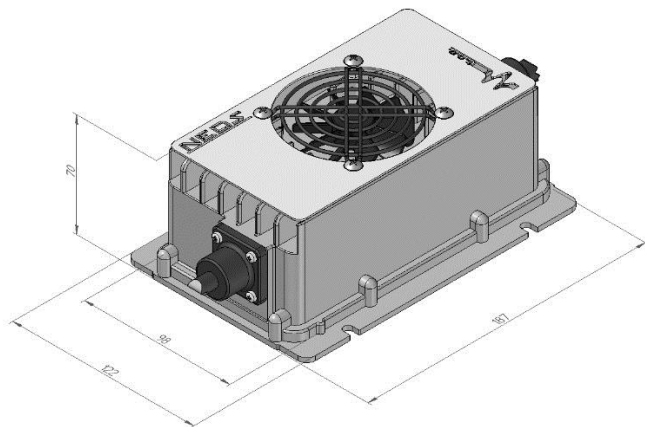
Every box of this series was specifically developed based on the control card that it will host to allow an optimal heat dissipation also in extremely hot and humid environments.

Severe tests were applied to guarantee a long-lasting duration over time.

Model	Voltage	Current	Power Supply		Battery Capacity Ah (C5)			Module
			Amp (A)	Vac	8h	10h	12h	
N1210	12 V	10 A	2	90 – 130 Vac o 180 – 264 Vac	80	100	120	1
N1215		15 A	2		120	150	180	1
N1220		20 A	2		160	200	240	1
N1225		25 A	2		200	250	300	2
N2410	24 V	10 A	2	90 – 130 Vac o 180 – 264 Vac	80	100	120	1
N2415		15 A	2		120	150	180	1
N2420		20 A	3		160	200	240	1
N2425		25 A	3		200	250	300	2
N2430		30 A	4		240	300	360	3
N2435		35 A	4		280	350	420	4
N2440		40 A	5		320	400	480	4
N2450		50 A	6		400	500	600	4
N3610	36 V	10 A	2	90 – 130 Vac o 180 – 264 Vac	80	100	120	1
N3615		15 A	2		120	150	180	1
N3620		20 A	4		160	200	240	1
N3625		25 A	5		200	250	300	2
N3630		30 A	6		240	300	360	3
N3650		50 A	9		400	500	600	5
N4812	48 V	12 A	3	90 – 130 Vac o 180 – 264 Vac	80	100	120	1
N4815		15 A	4		120	150	180	1
N4820		20 A	6		160	200	240	2
N4825		25 A	8		200	250	300	2
N4830		30 A	8		240	300	360	4
N4835		35 A	10		280	350	420	4
N4840		40 A	10		320	400	480	5
N4850		50 A	12		400	500	600	5
N4870		70 A	8	400 Vac	560	700	840	7
N7210	72 V	10 A	4	90 – 130 Vac o 180 – 264 Vac	80	100	120	2
N7215		15 A	6		120	150	180	2
N7220		20 A	8		160	200	240	3
N7225		25 A	8		200	250	300	4
N7230		30 A	11		240	300	360	5
N7235		35 A	13		280	350	420	6

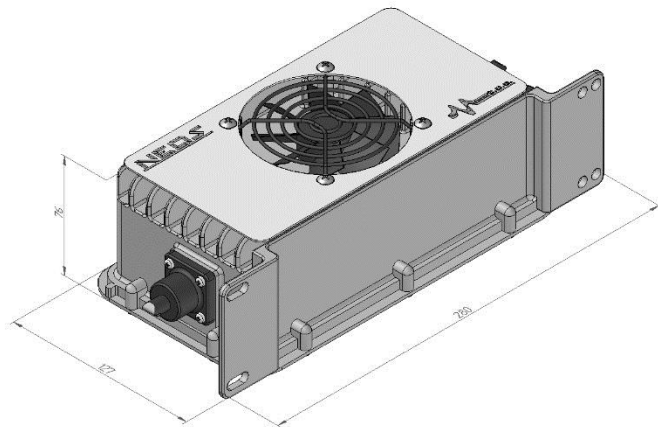
Power cord: -1,50 mt standard
- spiral under request
DC Cables (Black/Red): - 1,30 mt for on-board
- 2 mt for stand-alone

Work temperature: from -30°C to +65°C
Stock temperature: from -40°C to +95°C
Protection class: IP67



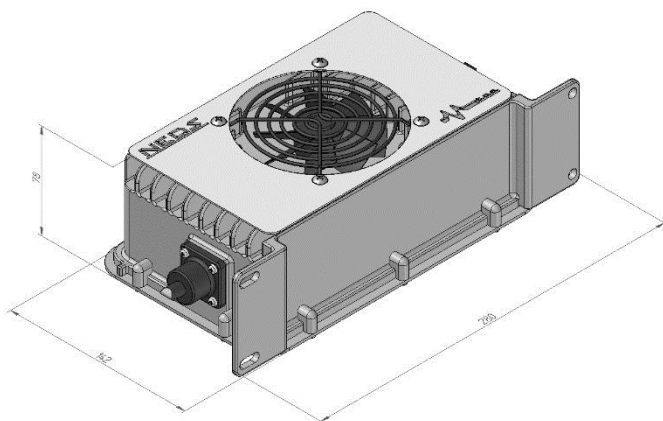
MODULE 1

Dimensions (L x D x H): 187 x 122 x 70
Max Weight: 1,4 Kg



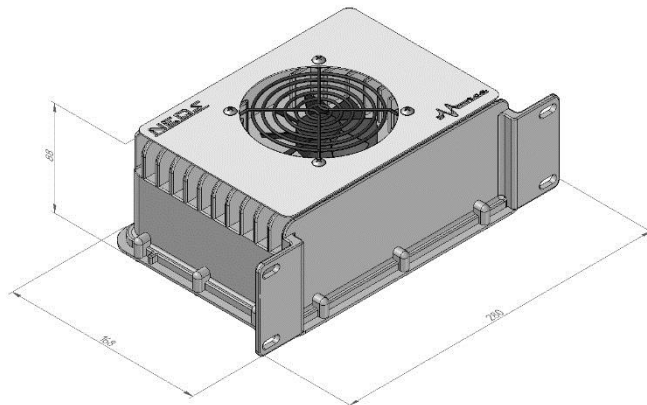
MODULE 2

Dimensions (L x D x H): 210 (280 support) x 128 x 79
Max Weight: 2,2 Kg



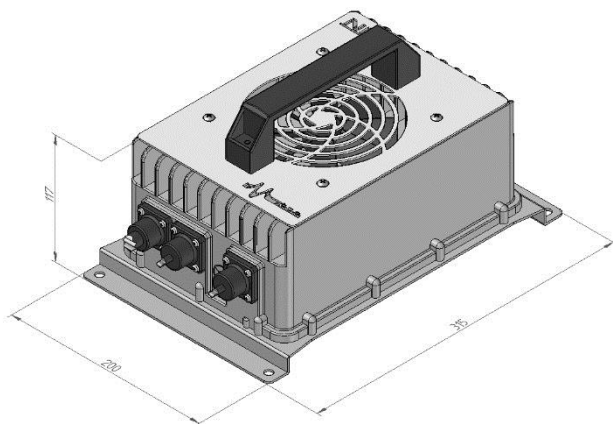
MODULE 3

Dimensions (L x D x H): 210 (280 support) x 142 x 78
Max Weight: 3 Kg



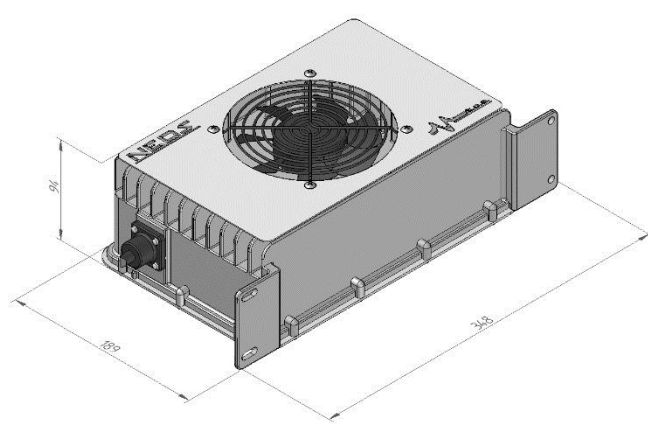
MODULE 4

Dimensions (L x D x H): 210 (280 support) x 168 x 88
Max Weight: 3,7 Kg



MODULE 5

Dimensions (L x D x H): 315 x 200 x 117 (162 handle)
Max Weight: 6 Kg



MODULE 6

Dimensions (L x D x H): 348 x 189 x 94
Max Weight: 5,5 Kg