

CARGADORES HF

ON Series (On-Board HF) IP67 CE

Working Temperature	From -30°C to +65°C
Storage temperature	From -40°C to +95°C
<i>In case of environments with different values from the above, please contact us to evaluate further options</i>	



The NEOS Series offers a practical and ergonomic solutions to charge any type of battery. Based on the high frequency resonant technology.

ON-BOARD



The NEOS Series is **ideal to be installed onboard electrical vehicles** thanks to its reduced dimensions.

Through the special supports, **the installation is fast and simple.**

Different types of supports are available to allow to the device to work in an optimal way and guarantee a prolonged operational life cycle.

PROTECTION DEGREE



All the NEOS Series is IP67.

This degree of protection allows the charger to be **totally protected against dust, sand and in general any solid physical body of small dimensions.**

It is also protected from **temporal immersion in water.**

Ideal to also be used in outside environments.

BUMP RESISTANT



The box, that acts as a heat sink, it's **resistant to bumps.**

The cooling fan is protected by the dedicated grid that avoids it from being damaged over time.

ACCESSORIES



It's possible to install additional accessories, such as:

- CAN BUS interface cable
- Safety lock system (clean contact)
- Remote charge indicator
- Different supports

FEATURES

Connections

- Single Phase 230 Vac $\pm 10\%$ / 50-60Hz
- Single Phase 110 Vac $\pm 10\%$ / 50-60Hz
- IP67 protection
- Power Factor: $\geq 0,99$
- Efficiency: $\geq 94\%$
- Noise: ≤ 45 dB
- Long lasting cooling fan

- PCB completely covered by special resin

- Ideal for many different industrial environments (high or low temperatures, lot of humidity, altitude,...)
- Possibility to install additional accessories
- Can charge all types of batteries (based on the installed charging curve)
- High frequency resonant technology

SAFETY

- Protection against overheating
- Protection against reverse polarity
- Protection against short circuit
- Self-diagnostic in case of anomaly
- Automatic interruption of the charging cycle when charge is completed
- Active PFC
- Soft-start when charge begins

DIMENSIONS

	Height	Length	Depth
Module 1	105 mm	187 mm	72 mm
Module 2	128 mm	210 mm	77 mm
Module 3	143 mm	210 mm	77 mm
Module 4	168 mm	210 mm	89 mm
Module 5	160 mm	315 mm	200 mm

MODELS

Model	Voltage (V)	Current A	Input		Battery capacity in Ah (C5)			Module
			Vac	Amp	8H	10H	12H	
N1210	12	10	90 - 130 Vac or 180 - 264 Vac	2	80 Ah	100 Ah	120 Ah	1
N1215		15		2	120 Ah	150 Ah	180 Ah	1
N1220		20		2	160 Ah	200 Ah	240 Ah	1
N1225		25		2	200 Ah	250 Ah	300 Ah	2
N2410	24	10	90 - 130 Vac or 180 - 264 Vac	2	80 Ah	100 Ah	120 Ah	1
N2415		15		2	120 Ah	150 Ah	180 Ah	1
N2420		20		3	160 Ah	200 Ah	240 Ah	1
N2425		25		3	200 Ah	250 Ah	300 Ah	2
N2430		30		4	240 Ah	300 Ah	360 Ah	3
N2435		35		4	280 Ah	350 Ah	420 Ah	4
N2440		40		5	320 Ah	400 Ah	480 Ah	4
N2450		50		6	400 Ah	500 Ah	600 Ah	4
N3610	36	10	90 - 130 Vac or 180 - 264 Vac	2	80 Ah	100 Ah	120 Ah	1
N3615		15		2	120 Ah	150 Ah	180 Ah	1
N3620		20		4	160 Ah	200 Ah	240 Ah	1
N3625		25		5	200 Ah	250 Ah	300 Ah	2
N3630		30		6	240 Ah	300 Ah	360 Ah	3
N3650		50		9	400 Ah	500 Ah	600 Ah	5
N4810	48	10	90 - 130 Vac or 180 - 264 Vac	3	80 Ah	100 Ah	120 Ah	1
N4815		15		4	120 Ah	150 Ah	180 Ah	1
N4820		20		6	160 Ah	200 Ah	240 Ah	2
N4825		25		8	200 Ah	250 Ah	300 Ah	2
N4830		30		8	240 Ah	300 Ah	360 Ah	4
N4835		35		10	280 Ah	350 Ah	420 Ah	4
N4840		40		10	320 Ah	400 Ah	480 Ah	5
N4850		50		12	400 Ah	500 Ah	600 Ah	5
N7210	72	10	90 - 130 Vac or 180 - 264 Vac	4	80 Ah	100 Ah	120 Ah	2
N7215		15		6	120 Ah	150 Ah	180 Ah	2
N7220		20		8	160 Ah	200 Ah	240 Ah	3
N7225		25		8	200 Ah	250 Ah	300 Ah	4
N7230		30		11	240 Ah	300 Ah	360 Ah	5
N7235		35		13	280 Ah	350 Ah	420 Ah	5