



Ultra-fast charging with up to 350kW, CCS2 connectors



High-Power Charger B-HPC 1.7 - 350kW

The B-HPC (Battery-Integrated High-Power Charger) delivers ultra-fast 350 kW EV charging – even with a grid connection as low as 32 A.

Powered by the patented Nerve Switch® technology, the system manages each battery cell individually, ensuring efficient, balanced, and intelligent charging.

With its plug and play design, the B-HPC can be installed in just two hours using existing slow connections – without costly civil works.

During grid power outages, the unit continues operation and can supply electricity as a local backup power source through its integrated AC and DC outlets. (in progress)

Even if the internet connection is lost, the charger remains fully operational, with payments processed locally and data automatically synchronized once reconnected. (in progress)

Designed, developed, and built in Denmark

B-HPC specifications

One outlet in operation	
Max charging power	1 x 350 kW@1000 V 1 x 300 kW@800 V 1 x 200 kW@400 V
Two outlets in operation	
Max charging power	2 x 175 kW@1000 V 2 x 150 kW@800 V 1 x 150 kW@400 V

Input/power connection

Grid type	3 phases + N + PE
Voltage	400 V AC
Frequency	50 Hz
Grid Inverter capacity	100 kW
Minimum current	32 A (max 250 kW)
Nominal current	160 A (max 350 kW)

General

Warranty	2 years (optional +6 years)
Dimensions	2260 x 2940 x 1260 mm
Weight	Approx. 3000 kg
Battery capacity	200 kWh
Battery net capacity	200 kWh
IP Rating	IP 44 (Outdoor)

Certifications

Battery	EN 62619, UN38.3
	EN 60730
	Battery Directive 2006/66/EC
System	EN 63000, T.F.3.3.1
Charger	EN 61851 -1/-21-2/-23/-24
	EN 62196 -3, ISO 15118

Interface

User Interface (GUI)	2 x 10,1" Touch Display
Cloud connection	3G/4G/5G
Cloud API	NSSgRPC
Charge Point Protocol	OCPP1.6J
Payment	APP, QR Code, NFC Card reader

Operating conditions

Temperature range	-25 to +40°C
Noise Emission	≤67 dB (A)
EMC	IEC61000 class A
Altitude	<2000 m

Economic Advantages:

Plug and play: Quick installation in just two hours – easy to deploy, move, or relocate.

Maximize grid connection: Connects directly to existing low 32 A grid with no need for heavy groundwork or expensive grid upgrades.

Reliable anywhere*: Operates fully offline; payments and data sync automatically when reconnected to the internet.

Peak shaving: Charge when power is cheap, discharge when it's high.

Backup capacity: The integrated 400 V AC (3 phase) outlets provide at least 7.5 hours at 32 A, 15.5 hours at 16 A, and over 20 hours at 13 A- measured at maximum continuous load, leaving 15 % battery reserve.

**Assessing market demand prior to manufacturing.*

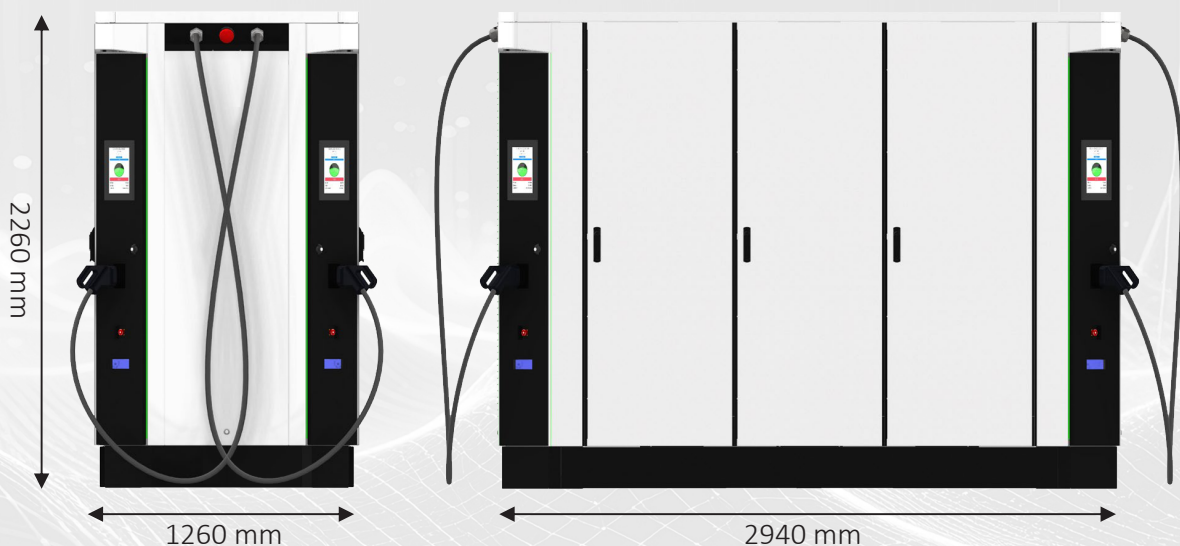
Performance Advantages:

High performance: Up to 350 kW ultra-fast DC charging (CCS2) for cars and heavy vehicles.

Multi-charging*: Charge or power several smaller devices simultaneously through Nerve Switch®-controlled AC outlets.

User-friendly: 10.1" color touchscreen with intuitive interface and integrated payment.

Always on*: Continues operation during power outages- with the option to supply local backup power from potential green energy sources.



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