

NOVA

Power Cabinet of Split Type Charging System

360 kW/720 kW







Fleet

Public

Destination







Aries2 Neptune

Triton



NOVA is the core of StarCharge's split-type charging solution, designed to pair with its in-house dispensers like Aries V2, Triton, and Neptune. Available in 360kW and 720kW models, it offers 97% efficiency and up to 600A output per connector depending on the dispenser model. Supporting up to 12 configurable connectors, Nova enables flexible charger placement, adjustable power output, and optimal space use, making it ideal for public fast charging, fleet, and destination charging. Its modular design and dynamic power distribution ensure continuous operation, enhanced efficiency, and a longer system lifespan.



Flexibility

- Supports up to 12 connectors per cabi-
- Able to pair with different StarCharge dispensers based on needs.
- Distributed design easily adapts to various charger station configurations.



Three Optional Charging Modes

- Fair Sharing Mode: Provides flexible charging for all users.
- First-In-First-Served Mode: Maximizes parking space utilization.
- VIP Charging Mode: Prioritizes faster charging for VIP customers.



High Utilization Rate & Availability

- Smart dynamic power distribution accelerates charging shifts.
- Modular design ensures high availability for continuous operations.



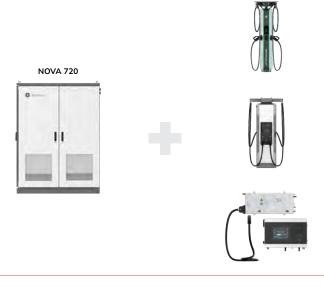
Scalability

- Two cabinets can be connected in parallel for maxium capacity of up to 1.44MW.
- MW charging solutions are possible by adding MW dispensers.



StarCharge Split Type Charging Solutions

Greater Flexibility & Utilization Rate for Faster Returns



Aries 2

- Air-cooled
- Max. xxx A per connector
- 1895 x 410 x 378 mm

Neptune

- Liquid-cooled
- Max. xx A per connector
- 1050 x 2200 x 707mm

Triton

- Overhead Mounted Dispenser
- Max. xx A per connector
- 860 x 375 x 121.5mm & 590 x 398.5 x 160mm

User case: Fleet Depot Charging



User case: Fast/Destination Charging



Specifications

Specifications are subject to change without notice.

	Power Rating	400Vac±10%, three-phase, 50/60Hz, 2 x (L1+L2+L3+N+PE)
NOVA 720	Power Factor	≥0.99 @ Full Load
	Efficiency	95%
	Output Power	360kW max.
	Output Current	1200A in total, 100A/power module, 500A max./channel
	Protection Grade	IP55 & IK10
	Cooling	Forced Air Cooling
	Dimension(WxHxD)	1564*1993*1223 mm
	Weight	Approx. 655kg (excluding power modules)
	Certification	CE-RED
	Power Rating	400Vac±10%, three-phase, 50/60Hz, 2 x (L1+L2+L3+N+PE)
	Power Factor	≥0.99 @ Full Load
	Efficiency	≥97%
	Output Power	720kW max.
	Output Current	2400A in total, 600A max./channel
	Protection Grade	IP55 & IK10
	Cooling	Forced Air Cooling
	Dimension(WxHxD)	1500*2000*1200 mm
	Weight	Approx. 655kg (excluding power modules)
	Certification	CE-RED