

Nereus

Power Cabinet of Split Type Charging System
600/720 kW



Fleet Depot Destination Public Charging



Nereus

Nereus is a liquid cooled power cabinet, the core equipment for high power charging stations. It features high power output, extended service life, maintenance free operation and outstanding adaptability to extreme environments. Compatible with liquid cooled and air cooled charging terminals, it suits diversified scenarios. The 720 kW model supports up to 18 user unit ports per power cabinet.



Ultra-Quiet Operation

Power module: Liquid cooling, No fan, zero noise
Liquid cooling System: EC Centrifugal Fan, Stepless speed regulation
Oise level as low as 55dB, Noise Below Ambient.



Ultra-Efficiency

Efficiency Optimization Algorithm: +0.5% Gain
Module Efficiency $\geq 97\%$, System Efficiency $\geq 96\%$
DPA2.0 Starlink Power Pool : Resource utilization rate increased by 20%



Maintenance-Free Design & Reliable Protection

Equipped with electro-hydraulic isolation and 3D uniform waterway cooling for stable heat dissipation and long service life. The isolated liquid-power structure and integrated die-cast housing prevent leakage and impact damage. With IP65 component bay and IP55 whole-machine protection, it delivers true maintenance-free operation.



Scenario Adaptability & Flexible Combination

Fully compatible with liquid-cooled and air-cooled charging terminals. Flexible assembly combinations perfectly adapt to various charging scenarios.

Specifications

Specifications are subject to change without notice.

720kW

General Information

Input Power	400V AC $\pm$ 10%, 50/60Hz, 3/N/PE
Rated Input Current	1088A
Earthing System	TN-S, TN-C-S, TT
Power Factor	≥ 0.99 @ Full Load
Efficiency	up to 96.88%
Output Voltage	150-1000V DC
Output Current	up to 2400A
Output Channel	18

User Interface

Button	Emergency stop button
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Communication

Network Interface	3G/4G, Wi-Fi, Ethernet
Backend Protocol	OCPP 1.6J/OCPP 2.0.1(OTA)

Environmental

Operating Temperature	-30°C to +50°C (derating over 50°C)
Storage Temperature	-40°C to +70°C
Humidity	5% to 95% (no condensation)
Altitude	$\leq 2000\text{m}$
Corrosion Protection Class	C3-M

Mechanical

IP Rating	IP55
IK Rating	IK10
Cooling	Liquid-cooled
Dimensions (WxDxH)	2000 x 950 x 2100mm
Weight	Approx. 1800kg
Installation	Ground mounting

Certification and Standards

Standards and Compliance	IEC 61851-1, IEC 61851-21-2, IEC 61851-23, LVD 2014/35/EU, RED 2014/53/EU, TR 25-1, TR 25-3
Certification	CE, CB, TR25

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