

Datasheet Neptune HPC System

Main Features

- Max. 500A output current with liquid cooling system.
- Up to 360 kW output power per connector.
- 200-1000Vdc wide output voltage range.
- Great scalability, up to 2 charging points per power cabinet.
- Support multiple cabinets connected together.



Specifications	User Unit	
Rendering		
Power Input	170-264Vac, single-Phase, 50/60 Hz, L+N+PE	
Output Interface	1 x CCS2	2 x CCS2
Output Power	360kW max.	360kW max.
Output Voltage	200-1000Vdc	200-1000Vdc
Output Current	500A max.	500A max./connector
Simultaneous Charging	N/A	Yes/(400A/connector*2)
Meter	CE meter	PTB meter
Display	10.1 inches touch screen	
Support Language	English (Other languages available upon request)	
Button and Switch	Mechanical Buttons & Emergency Button	
RFID Reader	ISO/IEC 14443 A/B, ISO/IEC 18092, IEC/ISO 15693	
Network Interface	4G/Wifi for backend connection and Ethernet for Power Cabinet local connection	
Protocol (EVSE&Backend)	OCPP 1.6J	
Protocol (EVSE&EV)	DIN 70121, ISO 15118	
Operating Temperature	-30 to 55 (Derating over 50)	
Storage Temperature	-40 °C to 70 °C	
Humidity	5% to 95% no condensation	
Altitude	< 3000m above sealevel (Derating over 2000m)	
IP Rating	IP55	
IK Rating	IK10 (Screen is IK08)	
Cooling	Liquid Cooling	
Charging Cable Length	4.5m	
Dimensions (WxHxD)	620*2000*450mm (without cable management system) 950*2000*450mm (with dual cable management system)	
Weight	Approx. 240Kg	Approx. 262Kg
Installation	Ground mounting	

Note: Pictures are for reference only, please prevail in kind.

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Power Cabinet

Input Rating	400Vac 10%, 3 phases, 50/60Hz, L1+L2+L3+N+PE (No neutral line for IT system)
Power Factor	≤ 0.98 @ Full Load
Efficiency	≤ 94% @ Full Load (Peak)
Grid Type	TN-S, TN-C, TN-C-S, TT, IT
Output Power	360kW max.
Output Voltage	200-1000Vdc
Output Current	500A max./Channel
Output Channel	2 Channels max.
Button and Switch	Emergency Button
Network Interface	Ethernet to User Unit
Operating Temperature	-30 °C to 55 °C (Derating over 50 °C)
Storage Temperature	-40 °C to 70 °C
Humidity	5% to 95% no condensation
Altitude	≤ 3000m above sealevel (Derating over 2000m)
IP Rating	IP55
IK Rating	IK10
Cooling	Forced Air
Dimensions (WxHxD)	1050*2050*750mm
Weight	Approx. 350kg (Without power modules)
Installation	Ground mounting
Certificate	CE

Specifications

