

Nova V4

Power Cabinet of Split Type Charging System

480kW/720kW



Fleet Depot Destination Public Charging



Nova V4

Nova V4 is a split type power cabinet. Boasting core strengths including high power output, full scenario adaptability and dynamic power allocation, it supports up to 12 output ports and carries CE certification.



High efficiency & Energy saving

It reaches 97% peak efficiency with system efficiency no less than 96%. The efficiency optimized algorithm brings an extra 0.5 percent performance gain, lowering power loss and energy costs.



High Expandability

Each power cabinet supports up to 12 output ports. Aggregated power technology enables power upgrade for existing charging stations and builds megawatt level charging systems.



Reliable Protection

With IP55 environmental protection grade and IK10 impact resistance rating, multiple built in system safeguards enable stable operation under harsh outdoor conditions.



Convenient Maintenance

Forced air cooling structure is adopted. All gel filled rectifier modules cut down failure rates and extend the service life of equipment.

Specifications

Specifications are subject to change without notice.

	480kW	720kW
General Information		
Input Power	400V AC ± 15%, 50/60Hz, 3/N/PE	
Rated Input Current	737A	1100A
Earthing System	TN-S, TN-C-S, TT	
Power Factor	≥0.99 @ Full Load	
Efficiency	up to 95%	up to 97%
Output Voltage	150-1000V DC	
Output Current	up to 1600A	up to 2400A
Output Channel	12	
User Interface		
Button	Emergency stop button	
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	≤2000m	
Corrosion Protection Class	C3-M	
Mechanical		
IP Rating	IP55	
IK Rating	IK10	
Cooling	Air-cooled	
Dimensions (WxDxH)	1503 x 1220x 2149.5mm	
Weight	Approx. 800kg (power cabinet)	Approx. 880kg (power cabinet)
	Approx. 180kg (power module)	Approx. 204kg (power module)
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, RCM	

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