Datasheet

Nova V4 720kW Power Cabinet

StarCharge

Main Features

- Smart power pool technology.
- 97% peak efficiency & high output current.
- Up to 720kW output power in total.
- Connect with 12 outputs max per power cabinet.
- Small footprint.



Specifications

Product Information	
AC Input Voltage	400Vac± 15%, three-phase, 50/60Hz, 2 x (L1+L2+L3+N+PE)
AC Input Current	1100A
Power Factor	≥0.99 @ Full Load
Peak Efficiency	97%
Earthing System	TN-S, TN-C-S, TT
Output Power	720kW
Output Voltage	150-1000V DC
Output Current	2400A
Overvoltage	CAT Ⅲ
Scene Conditions	C3-M
User Interface	
Button	Emergency stop button
Communication	
Connectivity	4G, Wi-Fi, Ethernet
Communication to the Backend	OCPP 1.6J
Maximum Supported Dispenser per power cabinet	12 connectors
Environmental	
Operating Temperature	-30℃ ~ +50℃
Storage Temperature	-40℃ ~ +70℃
Humidity	5% ~ 95% no condensation
Altitude	≤2000m
Mechanical	
IP Rating	IP55
IK Rating	IK10
EVSE Cooling	Forced air-cooling
Dimensions (WxHxD)	1503 x 2149.5 x 1220mm
Weight	Approx. 880kg (power cabinet) Approx. 17kg (one 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
Certification	CE-RED, CB, RCM

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

Nova V5 Power Cabinet

StarCharge

Main Features



- Smart power pool technology.
- Up to 480kW output power in total.
- Connect with 12 outputs max per power cabinet.
- Small footprint.

Specifications

Product Information	
AC Input Voltage	400Vac± 15%, three-phase, 50/60Hz, 2 x (L1+L2+L3+N+PE)
AC Input Current	550A
Power Factor	≥0.99 @ Full Load
Peak Efficiency	96.5% @ Full Load (Peak)
Earthing System	TN-S, TN-C-S, TT
Output Power	480kW
Output Voltage	150-1000V DC
Output Current	1600A max.
Overvoltage	CAT Ⅲ
Scene Conditions	C3-M
User Interface	
Button	Emergency stop button
Status Indication	LED indicator
Communication	
Connectivity	4G, Wi-Fi, Ethernet
Communication to the Backend	OCPP 1.6J/OCPP 2.0.1
Maximum Supported Dispenser per power cabinet	12 connectors
Environmental	
Operating Temperature	-30℃ ~ +50℃
Storage Temperature	-40℃ ~ +70℃
Humidity	5% ~ 95% no condensation
Altitude	≤2000m
Mechanical	
IP Rating	IP55
IK Rating	IK10
EVSE Cooling	Normal-cooling
Dimensions (WxHxD)	1050*1150*1750mm
Weight	Approx. 660kg (power cabinet)
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
Certification	CE-RED, CB

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

Hydrus Natural-cooling User Unit

Main Features

- Smart ID design.
- 150-1000V DC wide output voltage range.
- 400A DC max of output current.
- User friendly Cable Management System for easier operation.



Specifications

Product Information	
Input Voltage	230V AC ±10%, 50/60Hz, Single-phase (L+N+PE)
Charging Interface	CCS2 *2 /CCS2+GBT
Output Voltage	150-1000V DC
Output Current	250A rated (400A max.)
Metering	CE meter / MID meter / PTB meter
User Interface	
Screen Type	7-inch touch screen
Status Indication	LED indicator
Button	Emergency stop button
User Authentication	RFID card, QR code, APP (optional), Free charging, MAC authentication, Credit card (optional, payment terminal is necessary)
Communication	
Connectivity	Ethernet
Communication to the EV	DIN 70121, ISO 15118
Environmental	
Operating Temperature	-30℃ ~ +50℃
Storage Temperature	-40℃ ~ +70℃
Humidity	5% ~ 95% no condensation
Altitude	≤2000m
Mechanical	
IP Rating	IP55
IK Rating	IK10 (Screen IK08)
EVSE Cooling	Natural cooling
Charging Cable Length	5m
Dimensions (WxHxD)	500 x 1700 x 250mm (Without CMS)
Weight	Approx. 131kg
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
Certification	CE-RED, CB

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