

Charger Introduction 1

Charger Specification for Japanese market model

DC120 kW Dual (DCV-3FJ120P-I)



- Ready
- Charging
- Not Available

Size



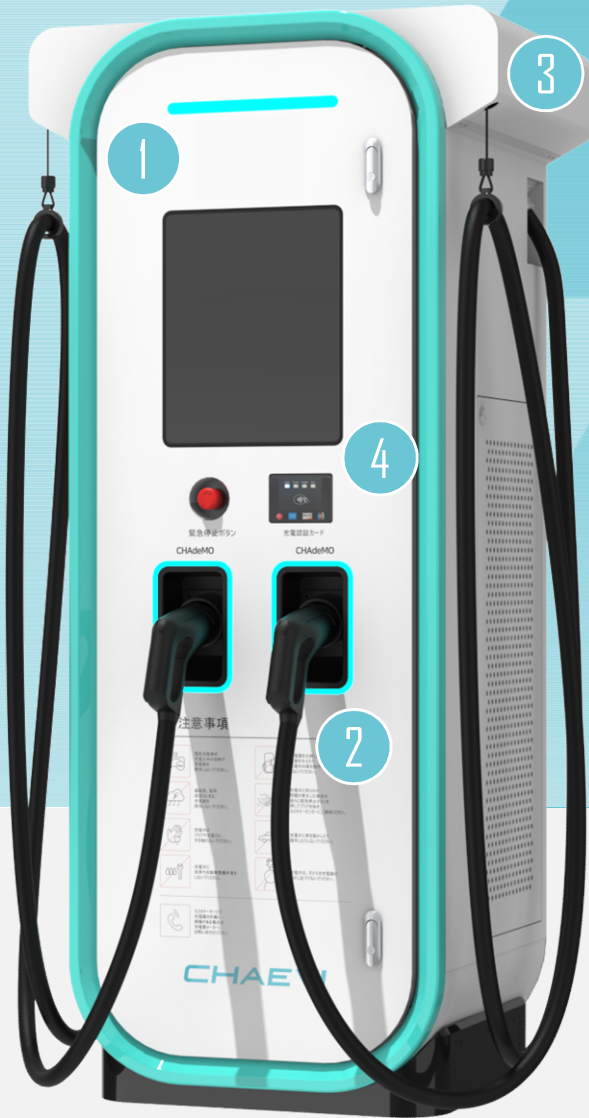
Charger image based on current developed mode

Rated Input	3Phase 4wire+PE, AC400V ± 10% ,183A, 127kW , 50Hz/60Hz	
Rated Output	Total Power	120kW (2ch)
	CHAdeMO (Left Coupler)	450V, 0 ~ 200A, 0 ~ 90kW max.
	CHAdeMO (Right Coupler)	450V, 0 ~ 200A, 0 ~ 90kW max.
	Simultaneous Charging Available (Power Sharing, Variable Speed)	
Charging interface	CHAdeMO + CHAdeMO	
Charging method	Constant voltage method, Constant current method	
User authentication	RFID CARD (membership card)	
Efficiency	Over 94%	
Power Factor	Over 0.95	
User Interface	15" LCD, Capacitive Touch Screen	
Network Connection	LTE	
Communication	OCPP 1.6	
Temperature / Humidity	-25°C ~ 55°C / < RH95% (There must be no formation of dew)	
Display	Operating state :	
	Charging standby, Charging, Charging complete, etc.	
Size (W*D*H)	825(650)*600*1800mm	
Weight	393kg	
Altitude	Up to 2,000m	
Protection	IP54 , IK10	
Safety Function	Input / Output overvoltage detection, Output leakage detection Input / Output overcurrent detection, Short Circuit Protection Reverse polarity protection, Over temperature protection Ground fault detection	
Features	6Adopting Spring-Balance System for Cable Output Control for Peak load Integrated LED light for night operation Cooling fan	



※ The specification is subjected to be changed for the future development for Japanese market.

Charger Introduction 2



1 Charging Status LED

Waiting

Charging

Not Available

- Charging status indicator
- Possible to check the current charger status

2 SOC Indicator per coupler

- SOC can be displayed between each coupler

3 Cable - Spring Balance applied

BEFORE

AFTER

- Built-in spring balance
- Prevents dragging of long cables and improves usability

4 15inch LCD applied

START

- 15-inch screen improves visibility and usability
- Advertisement possible thru the display.

Charger Introduction 3

5 Slim design

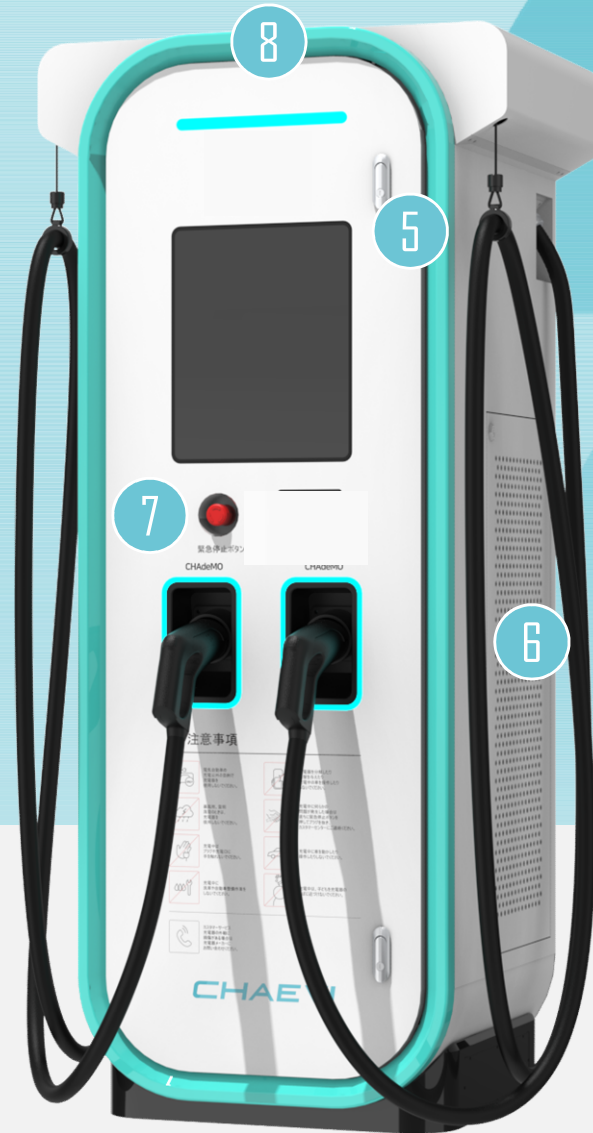


- Maximize the space utility
- Improved design, leading to the easy installation

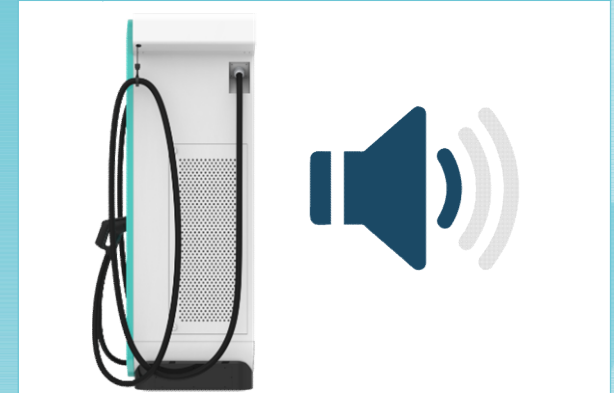
7 SAFETY



- Immediate stop by pushing the emergency button




6 Noise Reduction



- Upgraded charger inside structure leading to the improved noise reduction up to 10%, comparing to our other model

8 Robust



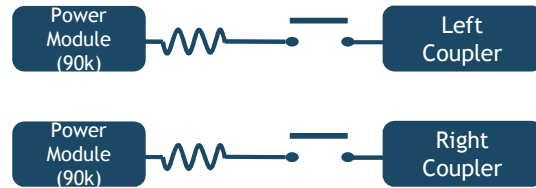
SUS

- Stainless steel applied
- Strong for humidity and heat

Charger Introduction 4



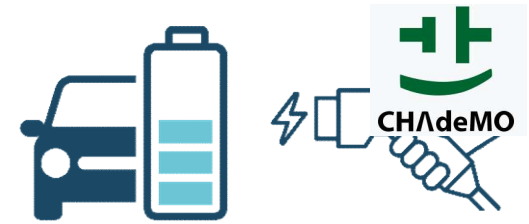
[NEW] Separation Module



- Separated Module applied
- Satisfied with Power Sharing Power
- Eliminated the cause of failure from the power sharing processes



- OTA (Over the Air) Remotely Firmware upgraded and Charger Maintenance



High current control
High voltage control

- CHAdeMO 2.0.1 certified
- Dynamic control to be applied



- OCPP1.6 CSMS & Security Certified