

WHITE LABEL DC CHARGER - POWERHOUSE

700kW V2G

Full Liquid cooled
Up to 12 dispensers



Custom features



High efficiency



Low noise design



Wide voltage range



Innovation

PRIVATE LABEL CHARGER

Product can be fully designed for your brand!



Product introduction

UDC70012GV2G High Power Charger is designed as low noise split and multi charging point application.V2G function to discharge the EV to the grid to realize the BES function. 700kW high power output which supports up to 12 charging guns. Optional liquid cooled 500A charging cable can be combined with the standard 350A charging cable each to get max power through the intelligent power switching. Full liquid cooled power module application for high protection and reliability.

Key features

- 700kW V2G power 400 or 480V grid standard
- IP65 power conversion area in the powerhouse
- Full liquid cooled power modules
- Intelligent power switching matrix
- Low noise - less than 65dB
- Easy output power configuration from 350 to 700kW
- Output voltage up to 1000V
- Supports up to 12 charging guns (single or dual)

Dispenser options

- OCPP 1.6 J support with update firmware to 2.0
- P&C, smart charge and power management support
- Standard 350A charging cable - Optional 500A liquid cooled charging cable
- Standard 7" TFT capacitive touch screen LCD
- LAN and LTE wireless support, OTA support
- RFID authorization
- Payment terminal integration

THE MAJOR BENEFITS OF OUR WHITE LABEL BRANDING ARE THAT IT REDUCES RISK, SAVES YOUR COMPANY TIME, ENERGY, AND MONEY IN TERMS OF PRODUCTION AND TIME-TO-MARKET.

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Technical parameters

AC input

AC input Frequency/Voltage 45-65Hz/ 3-phases+(N)+PE / 260Vac-530Vac

AC max input current CE: 2 * 624A / UL: 2 * 426A

Power factor >0.99

Total harmonic current <5% (Rated input)

V2G mode

Max V2G feedback power 700kW

V2G protocol IEC 15118-20

Discharging support Max 12 guns

DC output

Output DC voltage range 150V-1000V

Max DC output power 700kW@300V~1000V

Max DC output current 2333A@300V, 1400A@500V, 700A@1000V

Max system efficiency >96.5% (Rated input and output)

Output channel Max 12 guns

Dispenser support Max 6 dual-gun or 12 single-gun dispensers

HMI RGB LED, E-STOP

Dimension W * H * D mm = 2000 * 2200 * 850 mm

Weight Weight: 800kg + 20 * 30kg = 1400 kg
Fully equipped with 20 power modules and full liquid

Protection Class IP54 for the electric distribution part
IP65 for the power convert part

Noise <55dB (@25°C, Rated input and output), Max noise <65dB

Standard

Charging standard DIN70121, ISO15118

EMC/Safety UL2202, CE, EN61000-6-3/EN61000-6-1 Class A
EN 61851-1/EN 61851-23/EN 61851-24

Working environment

Ambient temperature -20 ~ +70°C Full power output below 50°C, Power derating 5%/ °C above 50°C

Storage temperature -40 ~ +75°C

Working humidity 0 ~ 95%

Working altitude 2000 m