

WHITE LABEL DC CHARGER - POWERHOUSE

800kW DC/DC

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

UDC80012GDCC High Power Charger is designed as low noise split and multi charging point application.

DC Bus input will enable 800kW 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

- 300Vdc – 900Vdc input to DC Bus
- 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 400 to 800kW
- 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

DC input

DC input voltage	300Vdc - 900Vdc
DC max input current	1333A@600Vdc
DC input protection	Fuses

DC output

Output DC voltage range	150V-1000V
Max DC output power	800kW@300V~1000V
Max DC output current	2666A@300V, 1600A@500V, 800A@1000V
Max system efficiency	>96% (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