

PURE WHITE LABEL DC CHARGER - WALLBOX **BIDIRECTIONAL**

V2G 7-11kW / 22-30kW

7kW / 11kW / 30kW Power Modules



**PRIVATE
LABEL
CHARGER**

Product can be fully designed on request for your brand!

Product Introduction

Vehicle-to-Grid (V2G) technology offers a promising solution for managing electricity demand and improving the efficiency of the power system. It allows for bi-directional charging and discharging between the power grid and EV batteries, enabling orderly charging and effective power demand management. V2G significantly improves grid stability and provides economic benefits for both the grid operator and EV owners.

Key Features

- Bidirectional energy transmission between power grid and EV
- High frequency isolation and electric protection level
- Charging/discharging efficiency and energy saving
- AC grid connected voltage level to adapt to the GB/T & CCS Standard
- MID DC meter (optional)
- Pedestal (optional)
- Single CCS, holder front, side (optional)
- Standard LAN connection
- 4G (optional)
- Integrated hardware and software controller
- Display (optional)



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Technical parameters

DC side parameters

DC side energy	Bidirectional	
Rated output power	7kW / 11kW / 22kW / 30kW	
Constant power voltage range	7-11kW: 300 - 750V 22-30kW: 300 - 1000V	
DC Voltage range	150~ 1000V	
DC Current range	7kW: 23.3~25A	22kW: 76A 11kW: 36.7~38.6A 30kW: 100A
Over voltage protection	Support	
Under voltage alarm	Support	
Short-circuit protection	Support	
Voltage accuracy	≤±0.5%	
Current accuracy	≤±1%	
Start output overshoot	≤5%	
Voltage ripple	≤1% (peak-to-peak)	
Current ripple	≤1A (peak-to-peak)	

Communication & Alarm

Display	LCD
Communication interface	4G/RJ45
Alarm	LED

Physical Characteristics

Dimensions (HxWxD):	7-11kW: 655x380x145mm 22-30kW: 670x480x200mm
Net weight of the wholepile	7-11kW = 32kg 22-30kW = 60kg

AC side parameters

AC side energy	Bidirectional	
Rated output power	7kW / 11kW / 22kW / 30kW	
Rated AC voltage	7-11kW = One-phase 220VAC 22-30kW = Three-phase 400VAC (265V-485V)	
Frequency	55±10Hz	
Rated AC current	7kW: 16.7A	22kW: 32A 11kW: 30.4A 30kW: 43A
THDi	≤5%	
PF	≥0.99@Rated power	
Maximum current	7kW: 21A	22kW: 42A 11kW: 43A 30kW: 55A
Undervoltageprotection	Support	
Overvoltage protection	Support	
Power limitation	Support	

Operating Environment

Efficiency	≥95%
Working temperature	-40°C~75°C
Storage temperature	-40°C~85°C
Humidity	≤95%, without condensation
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Altitude	2000m
Noise	7-11kW = ≤55db 22-30kW = ≤65db
Cooling mode	Independent airduct cooling
IP level	7-11kW = IP65 22-30kW = IP54

