

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

V2G/V2H 7-11KW DC Wallbox Charger

7kW / 11kW



V2G



IP65
protection



Low noise
design
<60dB



High
efficiency
>96.0%



Custom
features

Product Introduction

7-11KW DC Wallbox is a bidirectional charger for V2G/V2H and B2G/B2H applications, to connect the EV battery or the Residential energy storage battery to the single phase AC grid to realize the EV dis/charging V2G function and Home power backup V2H function. These V2G/V2H and B2G/B2H functions enable EV battery and residential battery to be used for grid energy storage, backup power supply and smart grid node.

Unique Function

- 11kW DC charger with AC three phase for CCS, NACS,
- CHAdeMO or GBT standard
- V2G, V2H, B2G, B2H configuration
- V2H Box to realize the off grid power backup
- Wide DC voltage range from 150V to 1000V
- One key manual charging and discharging

Application

- V2G EV charger
- B2G Energy storage battery inverter
- V2H/B2H application with optional off grid V2H box
- Residential off grid backup power supply



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Technical parameters

Charging mode		
AC input	Input voltage & current	380/400/480Vac, 3L+(N)+PE; 16.7A
	Input voltage/frequency range	260Vac~530Vac, 45Hz~65Hz
	Power factor	≥0.98 full-load output power of @50%~100%
	THD	≤5% full-load output power of @50%~100%
DC input	Rated power	11kW
	Voltage and current range	200Vdc~1000Vdc, 0~37A
	Efficiency (max)	≥96.0%
AC box	If no V2H box, need this Box	AC energy meter, SPD, AC distribution
Charging and V2G mode convert time (battery test)		
V2G mode		
DC input	DC input voltage and output power	150Vdc~1000Vdc, 11kW
	Max input current	37A
AC input	Output AC voltage and output power	From 320 to 530Vac, ouput power is 11kW
	Rated power and current	11kW/16.7A
	Output AC frequency	50Hz/60Hz
	THDi/output power factor	<5%/user setting, 0.8 leading~0.8 lagging
	Efficiency (max)	≥95.5%
Off grid	Voltage accuracy and distortion	1% and <3%/off grid only support 380Vac
	Power factor	0.8~1
	Dynamic volt stability & recovery time	5% and 20ms
V2H box (optional)	V2H box	Bidirectional Mid AC energy meter, SPD, AC distribution
	Grid connection	PV inverter connection, grid switch connector, backup 24V/5Ah battery Power switch in the main grid, backup grid and V2G charger by AC con- tactor
Protocol standard	OCPP 1.6J/OCPP 2.0, ISO15118/ISO15118-20, CHAdeMO V1.2, EVPOSSA, optional EEBUS	
B2G wallBox converter	Battery side: charge/discharge voltage 150~1000V, max power 11kW, max current 37A AC side: 320 Vac~530 Vac, 45 Hz~65 Hz, max current 16.7A, grid connection standard: same to V2G	
Control		
Monitor interface	LAN 10M/100M and LTE wireless modem support	
Charging indication RGB light bar	Green-normal, Yellow-charging, Blue-discharging, Red-failure	
HMI	Tempered glass protective 5" TFT Touch Screen LCD, RFID support	
Metering	Bidirectional Mid AC energy meter in optional V2H box	
Hot key	One EPO key, one V2G action key	
Reliability and safety		
Protection EMC/safety	IP65, IK10 for cabinet and IK08 for LCD TUV CE, RED, EN61000-6-3/EN61000-6-1 Class B ; EN 61851-1/EN 61851-23/ EN 61851-24; cTUVus, UL2202	
Grid connection		
Certification	VDE-AR-N 4105, EN50549, AS4777.2, UL1741SB: 2021, CSA C22.3 No. 9 and CSA C22.2 No. 107.1	
Mechanical		
Dimensions/weight	705mm(H)×405mm(W)×230mm(D)/≤45 kg (including the charging connector)	
Charging cable configuration	40A/1000V for CCS1/2, 37A/500V for CHAdeMO, 40A/1000V for GBT, 50A/1000V for NACS	
Optional pedestal	Pedestal with cable retractors	

Images and specifications are for reference only and may change without notice.