

DC Vehicle to Grid Wall Box



V2G Wall Box consists of both DC to AC and AC to DC power conversion systems which enables Battery to feed power into the Grid as well as Battery Charging from the Grid, offering **High Power Efficiency** solution across wide load range for Electric Vehicle (EV) charging and discharging.



V2G: next generation of EV charging

V2G offers bidirectional charging, capable of feeding car battery power back into the home and grid.

By connecting many V2G enabled cars together, a Virtual Power Plant (VPP) can be formed which provides an economic and environmentally friendly energy solution.

Specifications

	Model		TBD	
	Rated power		22kW	
	No. of power module		1	
	AC wiring		3ph + N + PE	
Charging mode	Input	Rated voltage Voltage range Input current Input frequency iTHD PF	380 Vac 380±20% Vac 50 A 50/60 Hz <3 % >0.99	3 phases 3 phases max. from 50% load
	Output	Rate power Battery voltage range Output current Voltage accuracy Current accuracy	22 kW 100 - 1000 Vdc 60 A < ±0.5 % < ±1 %	max. At 20% to 100% load
Discharging mode	Input	Voltage range Input current	100 - 1000 Vdc 60 A	max.
	Output	Rate power Voltage range Frequency Output current iTHD PF	22 kW 380±20% Vac 50/60 Hz 50 A <3 % >0.99	3 phases max. from 50% load
System control		Protection Protocol Charger status information Remote monitoring Communication	OCP, OVP, UVP, OPP GB/T 20234 LED, LCD display Mobile App WiFi, Bluetooth	
Others		Efficiency Operating temperature range Cooling Dimension Installation mode IP rating	Peak efficiency >96% -30°C ~ +50°C Forced-air cooling 700x480x199 mm Wall-mounted IP54	