

V2G 7KW

V2G/7kW AC Charger

☺ Product Features

Designed to support residential and fleet V2G applications with efficient energy interaction.

With a compact design and 7kW output for daily EV charging and grid discharge.

Compatible with CCS2 and GBT charging standards for broader application.

Built with IP65 protection, ensuring durability in harsh environments.

Equipped with safety features like voltage regulation, current limiting, and emergency stop, plus multiple access methods including QR code, RFID, and OTA upgrades.

∞ Main function

QR-code/BLE/Card/Plug and Charge

3m power cable and 3m charging cable

4.3-inch touchscreen display

OTA upgrade, dialog and troubleshooting

GBT/CCS2

BLE + Eth/Wi-Fi/4G (Optional)

IP65



Main Performance And Characteristics

Parameters	Model	UBC7K1000-Y1
AC Slide	Power Supply	L+N+PE
	Voltage	176 ~ 275Vac
	Max Current	43A
	Power Rating	Rectifier Mode: 150Vdc ~1000Vdc Inverter Mode:300Vdc ~ 1000Vdc
	Grid Frequency	50Hz (±5Hz) /60Hz (±5Hz)
	PF	≥0.99
	THDi	≤5%
DC Slide	Rated Power	7kW
	Voltage	Rectifier Mode: 150Vdc ~1000Vdc Inverter Mode:300Vdc ~ 1000Vdc
	Current Range	Rectifier Mode: 0~28A Inverter Mode:0 ~ 25A
	Voltage Accuracy	≤ ±0.5%
	Current Accuracy	≤ ±1%
	Load Regulation	≤ ±0.5%
Communication	Soft Start Time	3-8s
	Activation Method	Scan Code, VIN Code, Swipe Card
	Networking Method	Ethernet, 4G
	Communication Interface	RS232、RS485、CAN
	Alarm Mode	Audible And Visual Alarm
	Charging Standard	GBT/CCS2
Safety	Temperature	-40°C ~ 75°C, Derates From 55°C
	Storage Temperature	-40°C ~ +75°C
	Relative Humidity	≤ 95% RH, Non-Condensing
	Altitude	≤ 2000m, Derates From 2000m And Above
	Protection Grade	IP65
Working Environment	Noise	≤45dB
	Cooling	Independent Air Duct Heat Dissipation
	Weight	< 30kg
	Efficiency (Max)	Rectifier: ≥94.5%/Inverter: ≥94.5%
	Power Consumption	≤15W
	Housing Material	Metal Shell
	Installation	Wall-Mounted/Floor-Mounted (Optional)
Package	Dimension	440mm*185mm*580 (W*D*H)
	Packing Material	Carton Box
Other	Warrenty	2 Years