SWTCH

EV Charger Spec Sheet

ABB Terra AC Wallbox UL

40/80 A Level 2 EV Charger

PRODUCT DATA SHEET

Terra AC Wallbox UL

40/80 A Level 2 EV charger

Terra AC Wallbox chargers can be configured with or without a screen display, depending on the needs of the site and its users.

The Terra AC Wallbox is the smartest, quickest and safest Level 2 destination charging solution for fleets, public operators, commercial facilities, workplaces, and multifamily residences. The Terra AC Wallbox delivers future-proof flexibility as well as advanced safety and protection. With connectivity and digital functionality, the Terra AC Wallbox is built to deliver optimized charging today and well into the future.

Flexible, high quality design

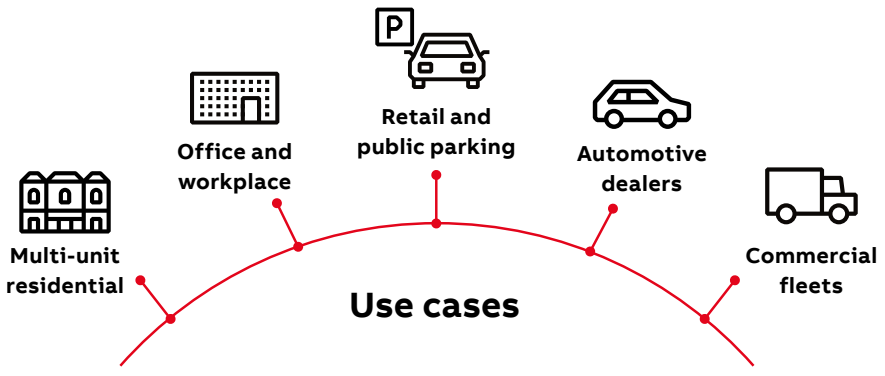
- 40/80 A model for commercial and fleet demands
- Universal PHEV and BEV charging
- UL safety certified with the highest protection
- Built in revenue grade meter supporting load management

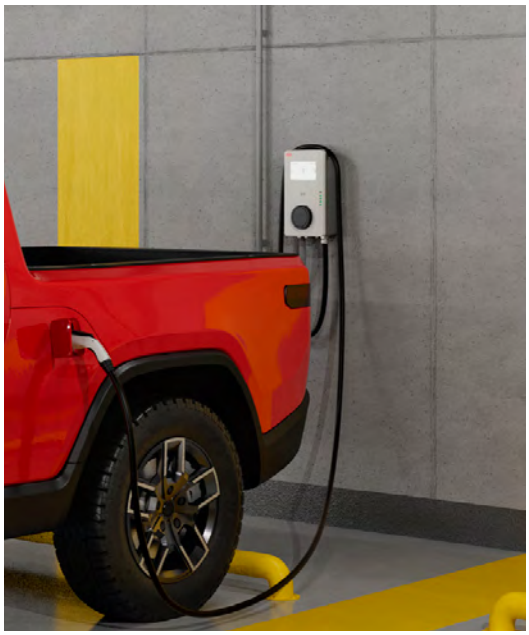
Easy siting and installation

- Designed for installation in less than 30 min
- Fastest remote commissioning for multi-charger sites
- Tailored pedestal option available
- Rugged NEMA Type 4 enclosure for any indoor or outdoor location

Smart business integration

- OCPP integration with any charging network
- Multiple connectivity and authentication options
- Intuitive app for managing charging sessions and usage
- Dedicated web portal for charger and data management, ideal for large installations





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Terra AC Wallbox chargers are easy to install at any site, with an optional pedestal solution that enables flexible siting.

Product information	
Charging type	Level 2 (mode 3)
AC input / output power and current	9.6 kW / 40 A, 19.2 kW / 80 A
Recommended breaker	50 A (for 40 A unit); 100 A (for 80 A unit)
Input / output voltage	208/240 VAC, 50/60 Hz
Network type	Single phase / split phase (TT, TN)
Cable type / Cable storage	SAE J1772, type 1 cable, 7.6 m (25 ft) Cable is wrapped around charger and front holster inlet
Protection	Overcurrent, overvoltage, undervoltage, CCID20, integrated surge protection
Ground fault protection	Integrated 20 mA AC
Overvoltage category	III
Energy metering	Revenue grade energy meter Class B (±2%)
Mobile communication with nano SIM socket	4G, LTE, WCDMA
Available configurable contacts	1 input, 1 output
User interface	
Connectivity	Ethernet (RJ45) with daisy-chain Ethernet option, Wifi, Bluetooth, Modbus RTU RS485, Modbus TCP/IP, 4G
User authentication	ABB RFID card (1 card included) or ChargerSync™ app or portal
User interface / Installer interface	ChargerSync™ app or portal / TerraConfig app and portal for setup
Communication protocols	OCPP 1.6J, Modbus RTU RS485 (energy meter or local controller connection), Modbus TCP/IP (local controller connection)
Status indication	5 LED's (power / connectivity / authorization / charging / error)
Configuration	
Software update	OCPP 1.6J, ChargerSync™ portal or app, Terraconfig app
Control and configuration	OCPP 1.6J, ChargerSync™ portal or app, Terraconfig app, display wakeup functionality via touch, current limit by rotary switch
General characteristics	
Enclosure rating	Indoor and Outdoor, NEMA 4; IP65, IK10
Operating altitude (max)	4000 m (13,123 ft)
Operating temperature range	-30 °C to +55 °C (-22 °F to +131 °F); derating may apply
Storage temperature range	-40 °C to +85 °C (-40 °F to +185 °F)
Mounting	Wall or floor using a pedestal
Dimensions H × W × D	400 × 230 × 125 mm (15.75 × 9.06 × 4.92 inches)
Weight 40 / 80A	10.8 kg / 11.8 kg (23.80 lb / 26.01 lb)
Certification and standards	
Safety standards	UL 2594, UL 2231-1, UL 2231-2, UL 1998, CSA C22.2. NO.280, NMX-J-667-ANCE
Codes and standards	FCC Part 15 Class B, ENERGY STAR
Certification	SGS
Warranty	24 months

Model configurations

Part Number	Rated power (kW)	Max current (A)	RFID	Daisy-chain ethernet	4G	Screen display
6AGC105905	9.6	40	√	√		
6AGC105902			√	√	√	
6AGC082553			√	√	√	√
6AGC105904	19.2	80	√	√		
6AGC105903			√	√	√	
6AGC081291			√	√	√	√

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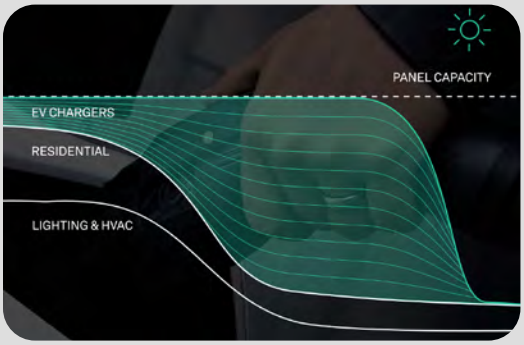
EV Charging for Busy Buildings

SWTCH

SWTCH's EV charging management platform is designed specifically for multi-tenant buildings

By leveraging state-of-the-art software technology, SWTCH OS™ enables unit owners and building management to successfully deploy and manage a cost-effective EV charging system that works for your EV charging system today, and in the future.



SWTCH's Intelligent load manager can manage up to 10x more chargers on your existing capacity

SWTCH Control™ intelligently distributes energy to the chargers based on the real-time capacity available on the circuit, panel and/or building, allowing buildings to safely install up to 10 times the number of chargers on your existing electrical infrastructure.

A first-class charging experience - complete with 24/7/365 driver support

Our flexible charging experience ensures EV drivers can get the charge they need, when and how they want it:

- iPhone & Android app
- No download required via SWTCH's in-browser app
- Tap-and-go charging with our complimentary RFID card

Our team of live customer support agents are available via phone and email around the clock to ensure your chargers are working well and drivers have a delightful charging experience, every time.

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