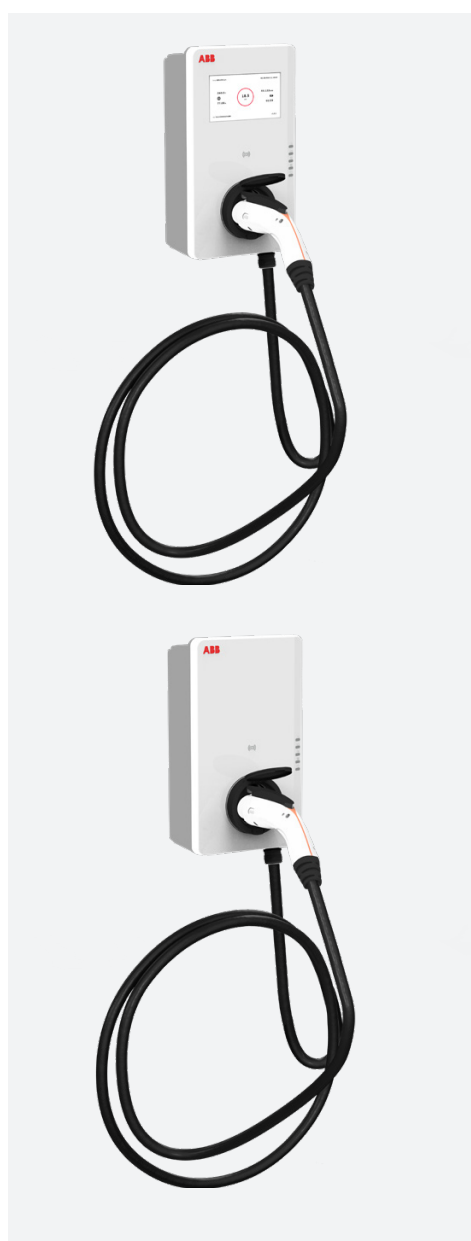


PRODUCT DATA SHEET

# Terra AC Wallbox UL

## 40/80 A Level 2 EV charger



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

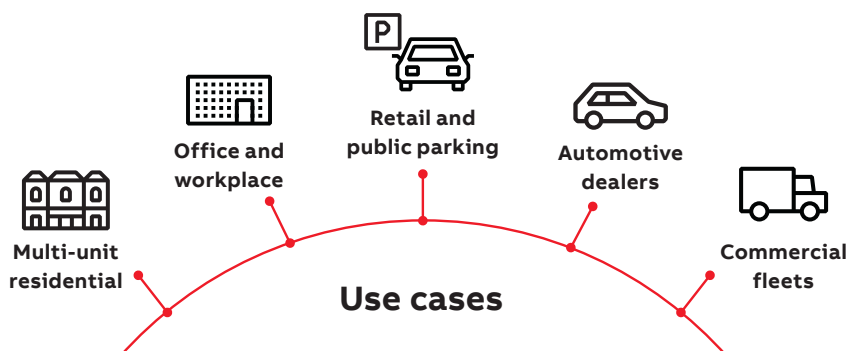
- Designed for installation in less than 30 min
- Fastest remote commissioning for multi-charger sites
- Tailored pedestal option available
- Rugged NEMA Type 4 enclosure for any indoor or outdoor location



### 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

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



Link to the Terra AC Wallbox Product Manuals



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

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| 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)<br>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, NMJ-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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