

Smarter Mobility

Integrated payment terminal



ABB Terra 24, Terra 54 and Terra HP Charge Posts can be equipped with an integrated payment terminal to facilitate payment by credit card and NFC. A payment terminal enables paid charging without a membership model and without the need of a back office.

The easiest way to start a commercial charging network is to upgrade an ABB DC fast charger with an integrated payment terminal. The payment terminal supports payment via credit card and via Near Field Communication (NFC).

The payment terminal is available as a field upgrade for any charger from the Terra 24 and Terra 54 series, as well as for Terra HP Charge Posts. The default RFID functionality of the charger can be maintained.

Main features

- Payment via credit card and NFC
- No PIN code entry
- Support of low value transactions
- Low operational and transactional costs
- Field upgrade for any Terra 24, Terra 54, and Terra HP Charge Post
- Fixed price per charge session with upfront payment
- Flexible price based on energy consumption and/or charging time
- Automatic cancellation of payment in case of problems during the first minutes of charging
- Operator control via ABB Web tools
 - Setting price per outlet
 - Transaction overview (successful and canceled ones)
- Default RFID functionality can be maintained

Applications

- Large commercial charging networks
- Charging networks without back office
- Charging networks without membership model

Cost structure

The integrated payment terminal option requires a one-time investment in hardware and installation. The recurring costs consist of the annual costs of the ABB Web tool for operational control, and the transaction costs of the acquirer.

The availability of the payment terminal is depending on the country of installation. ABB credit card based payment solutions are supporting various acquirers for the financial processing of the transactions. Please check with your sales contact for the latest list of supported countries and the list of acquirers.

General specifications	
Accepted payments	EMV contactless cards without PIN entry; NFC with smartphone
EMV Payment schemes	Visa™, MasterCard™, V Pay™, Maestro®
NFC / Contactless Payment schemes	MasterCard PayPass™, Visa payWave™
Payment service provider	B+S, CardProcess, Nayax (please check with ABB for latest list)
Transaction limit	Up to €25 per transaction
Supported countries	Contact your local sales person for the availability in your country.
Supported chargers	Terra 24, Terra 54 Terra HP Charge Posts
Field upgradable	Yes
Compliance & Safety	CE and UL
Certificates	EMVCo L1 contactless type approval, EMVCo L1 contact type approval, PayPass™, payWave™ compatible
Chip card reader	ISO 7816, EMV 2000 Level 1
User interface	Graphic display, LEDs and beeper

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For more information please contact:

ABB EV Infrastructure

Heertjeslaan 6
 2629 JG, Delft
 The Netherlands
 Phone: +31 88 4404610
 E-mail: info.evci@nl.abb.com

abb.com/evcharging