

Electric Vehicle Charging Infrastructure

TERRA 63 Z DC FAST CHARGING STATION



The Terra 63 Z DC fast charging station delivers up to 60 kW output power according to the Chinese GB/T interface specification for DC fast charging. Designed for en route charging, the Terra 63 Z DC fast charging station is ideal for use at car dealerships, petrol stations and busy urban areas.

All ABB chargers come with Internet based Connected services to allow customers to easily connect their chargers to different software systems like back-offices, payment platforms or smart grid energy systems. This allows for remote assistance, tailored diagnostic trouble shooting and repair, and remote updates and upgrades. A reliable, secure, cost efficient and future proof connectivity solution, based on open industry interfaces.

Main features

- 60 kW DC charging power
 - Charge 30 to 80% in 15 minutes (different from Batteries & BMS system)
- Future proof connection via open industry standards
 - Flexible interfacing with added value systems
 - Remote uptime monitoring and assistance
 - Remote updates and upgrades
 - OCPP protocol benefit to interconnection
- Easy to use
 - daylight readable touch screen display
 - Graphic visualization of charging progress
 - RFID authorization

- Safe reliability
 - Precharge protection detection
 - Interlocking Intelligent security protection system
- Aesthetic all weather stainless steel enclosure
- Quick and easy installation
- Low operational noise

Applications

- Highway petrol/service station operators
- Busy urban areas
- Commercial fleet operators
- EV Infrastructure operators and service providers
- GB/T EV dealers and importers

Key optional features

- Pin code authorization
- Input power limiting software to avoid expensive grid upgrades
- Web modules for statistics and access management
- Integration with back-offices, payment platforms and smart grid energy systems
- Wider temperature range: -35°C to +50°C
- Customized branding possibilities

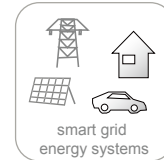
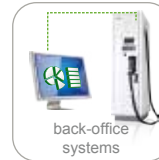
Outlet specifications	Z
Charging standard	GB/T 18487-2015
Max. Output Power	60 kW
Output Voltage Range	200-500 V _{DC} /(200-750 V _{DC} optional)
Rated Output Current	120 A _{DC} /(80 A _{DC} optional)
Connection standard	GB/T 20234.3
Connector/socket	GB/T 27930-2015
Cable length	3.9 m
Compatible car brands	Tested with existing GB/T standard EVs, most recent validations available upon request



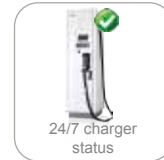
Terra 63 Z DC fast charging station

General specifications	
Environment	Indoor / outdoor
Operating temperature	-20°C to +50°C -35°C to +50°C (Optional)
Storage temperature	-40°C to +70°C
Input AC power connection	3P +N+ PE
Input voltage range	380 V _{AC} +/-15% (50Hz)
Max/ rated input current & power	100 A, 60 kW
Power factor (full load)	> 0.99
Efficiency	96% at nominal output power
RFID system	ISO/IEC14443A/B, ISO/IEC15693, FeliCa™ 1, NFC reader mode, LEGIC Prime & Advant
Network connection	GSM / CDMA / 3G modem, 10/100 Base-T Ethernet
Protection	IP54
Dimensions (D*W*H)	760 mm x 525 mm x 1900 mm

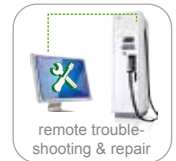
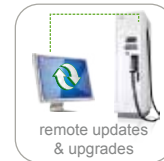
Advantages of connected charging



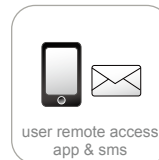
Flexible interfacing with customer's added value systems



Optimal insight in charger operation



Maximize charger uptime with fast and reliable service



Optimize user experience