FRACTALEV ™

EV Chargers designed for operators and installers

48A EVSE and 80A EVSE Specifications

- 48A and 80A AC chargers
- Utility grade metering
- WiFi / 4G / Mesh networking
- Dual SIM slots
- Local Power Management
- Customizable screen
- Cloud configured (including OCPP)
- ETL Listed, FCC certified

Operations and Maintenance Cloud Included

Streamline Commissioning

- Decoupled IT and Electrical Onboarding
- Factory configured & Cloud Provisioning
- Reduce/Eliminate Warehousing

Reduce Site Visits

- Offline Charger Recovery
- Dedicated Mesh Network
- Data Reporting & Robust Logging

Preserve Flexibility

- Network Agnostic
- Rest API for Integrations
- No Cost Cloud Software

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FR-48C / FR-80C OCPP J1772 Charger

Electrical Specifications

AC Input Rating	208 or 240 VAC / 60Hz Rear or bottom wiring options
Maximum Current Rating	FR48C: 48 Amps FR80C: 80 Amps
Metering	1% accuracy
Output cable	J1772 - 21 ft' (6.4m)

User Interfaces

Display	4.3", outdoor-rated customizable color touch screen
Status Indicator	RBG LED ring
RFID Reader	ISO14443A/B, ISO15693, FeliCa
Audio	Buzzer for RFID feedback

Network Capabilities

Cellular	3G/4G CAT1 with dual SIM cards / dual antenna. e-SIM included
Wifi	802.11b/g/n - 2.4Ghz
Mesh network	802.11 proprietary mesh

Mechanical Data

Enclosure dimensions (H x W x D)	13.5" x 9.5" x 4-3/4"
Weight	10 lbs (48A) | 15 lbs (80A)
Mounting	Wall or pedestal

Environmental Data

Enclosure rating	IP65 IK08 (screen excepted)
Operating and storage temperature range	-22 °F to 122 °F (-30 °C to 50 °C)

Compliance

ETL, FCC, ICED, EnergyStar, CTEP

Features

Electrician/Owner Management Portal	Monitor and manage charger settings at fractalev.com
OCPP Support	OCPP 1.6J
Mesh Networking	Redundant charger connections and automated commissioning using mesh
Power Management via local Mesh network	Cloud connected over-subscription for power constrained sites
Authorization Modes	- Plug-to-Start - Preset PIN Code - Accept any PIN Code - Local RFID - Accept any RFID Card - OCPP
Fault reporting	Logs available in FractalCloud Driver submission via touch-screen

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