FRACTALEV™

EV Chargers designed for networks 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
- OCPP + Fractal Configuration cloud
- UL Listed, FCC certified

Operations and Maintenance Cloud Included

Streamline Distribution

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

Reduce Site Visits

- Offline charger recovery
- Dedicated Mesh Network
- Data Reporting & OCPP Logging

Preserve Flexibility

- Network Agnostic
- Rest API for integrations
- Cost competitive

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

Electrical Specifications

AC Input Rating	208 or 240 VAC / 60Hz Rear or bottom entry
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

UL, FCC Part 15, ICED, EnergyStar

Features

Electrician/Owner Management Portal	Monitor and manage charger settings at fractalev.com/
OCPP Support	OCPP 1.6J
Mesh Networking	Limit wifi infrastructure costs by using mesh
Power Management via local Mesh network	Cloud connected over-subscription for power constrained sites
Authorization Modes	• Plug-in-to-Charge • Preset Pin Code • Accept any Pin Code • Local RFID • Accept any RFID Card • OCPP
Fault reporting	Logs available in fractalev Driver submission via touch-screen.