# PION Power™



# Flex-AC

Providing smart and sustainable energy solutions:
solar energy systems, electric vehicle (EV) chargers, energy storage systems and more.
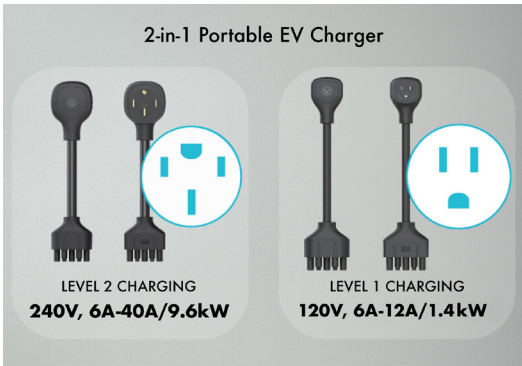
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# Flex-AC

A portable level 2 EV Charger that can switch between 100V-250V charging voltage automatically
Application: Passenger and commercial electric vehicles.

NEMA 14-50P

NEMA 5-15P

## Faster

- The flagship EFAC40-NA11 model has a maximum output of 9.6kW (level 2 at 40A), charging up to 7x faster than level 1 chargers.
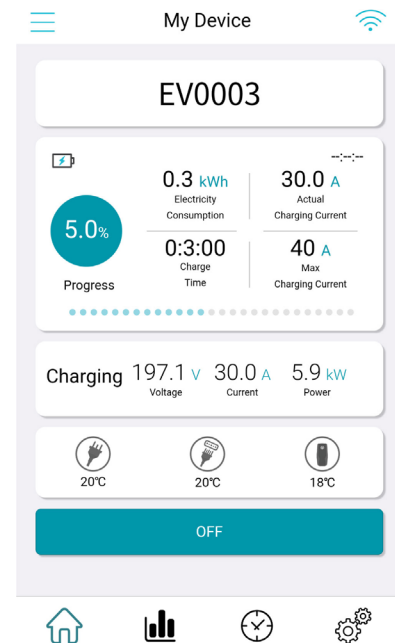
**2-in-1 Portable EV Charger**

LEVEL 2 CHARGING
**240V, 6A-40A/9.6kW**

LEVEL 1 CHARGING
**120V, 6A-12A/1.4kW**

## Safer

| | Pion Power Flex-AC EVSE | Other EVSEs |
|---|---|---|
| Temperature Sensors | Triple-layer overheating protection and automatic charging recovery; each plug, connecter and control box are equipped with its own temperature control units | Standard 1 to 2 temperature sensors. |
| Safety Protection | Comprehensive protection for overvoltage, undervoltage, overheating, overcurrent, leakage, grounding, lightning, fire/flame, water, dust and antistatic | Standard protection for overvoltage, undervoltage, overcurrent, leakage, fire/flame, water, dust and antistatic. |
| Water Resistance | NEMA 4 (IP66) | IP65 |
| Leakage Protection | Highly responsive 20mA & 20ms | 30mA & 40ms |
| Fire Protection | UL94 : 5VA | UL94 : V0 |
| Control Box Construction | 5mm thickness construction capable of withstanding 1m drop test and 2-ton vehicle crush test | 3mm |
| Adaptor Life Cycles | 10,000 insertion and removal | <300 |
| Safety Standard | CSA and UL standard | UL or none |

## Smarter

- Intelligent outlet detection: automatically switches between 120V Level 1 (N5-15P) and 240V Level 2 (N14-50P) charging. Compatible with a wide voltage range between 100V to 250V, including common household 120V, 208V and 240V circuits.

- Save electricity cost by scheduling charging sessions during off-peak hours with the Pion Smart Charger app.

- Monitor real-time charging data (voltage, current, power, time, and temperature) on the app and receive push notifications if an error occurs.

- Connect to the Flex-AC at home or on the road via WI-FI internet or its own wireless hotspot.

- Multiple-user support enables sharing device access with family and friends.

My Device

EV0003

0.3 kWh
Electricity
Consumption

30.0 A
Actual
Charging Current

5.0%
Progress

0:3:00
Charge
Time

40 A
Max
Charging Current

Charging 197.1 V 30.0 A 5.9 kW
Voltage    Current    Power

20℃     20℃     18℃

OFF

## Versatile

- Portable design is suitable for both wall-mounting at home as well as easily transportable for travel on the road in the included carrying case.

- Wide power output range (from 1.4kW to 9.6kW), suitable for different EVs from subcompacts to SUVs and trucks.

- SAE J1772 connector compatible with most electric vehicles in North America, including Tesla models with the use of an adapter.

- Modular power adapter models provide maximum versatility for use with different types of power outlets.

- Stylish and elegant design, available in either black or white color with the option to personalize your Flex-AC with a selection of vibrant covers (sold separately).

NEMA 4
WATERPROOF
FOR INDOOR
AND OUTDOOR

2,000 KG VEHICLE
ROLL-OVER PROOF

3.3 FT FREE-FALL
DROP
PROTECTION

| Model | EFAC40NA11 | | EFAC32NA11 | |
|---|---|---|---|---|
| Adapter | N5-15P | N14-50P | N5-15P | N14-50P |
| Input Voltage | 120Vac | 240Vac | 120Vac | 240Vac |
| Output Current | 12A | 40A | 12A | 32A |
| Output Power | 1.4kW | 9.6kW | 1.4kW | 7.6kW |
| Output Voltage | 100-250 volt AC single-phase | | | |
| Input Frequency | 60Hz | | | |
| Control Box Material | PC+PBT. Flame retardance UL94: 5VA | | | |
| Connecter & Handle Material | PC+PBT. Copper, silver-plated | | | |
| Cable Material | Copper + TPE | | | |
| Total Length | 22ft (6.6 meters) with charging handle installed | | | |
| Impact Resistance | Able to withstand 3.3ft (1 meter) freefall drop and 4,409 lb (2,000kg) vehicle crush test without critical damage | | | |
| LED Indicator | Red/green/blue | | | |
| Operating Temperature | -22°F to 122°F (-30°C to 50°C) | | | |
| Working Humidity | 5%~95% without condensation | | | |
| Working Altitude | <1.24 miles (2,000 meters) | | | |
| Enclosure Type | NEMA 4 (IP 66) | | | |
| Operating Environment | Indoor/Outdoor | | | |
| Cooling Method | Natural cooling | | | |
| Multiple Protection | Overvoltage protection, Undervoltage protection, Overheating protection, Overcurrent protection, Leakage protection, Grounding protection, Lightning protection, Fire and flame protection, Waterproof, Dust proof, Antistatic protection | | | |
| Safety Standard | UL 2594, UL 2231-1, UL 2231-2, CSA C22.2 NO. 280, CSA C22.2 NO. 281.1, CSA C22.2 NO. 281.2 | | | |
| Carrying Case Dimensions | 15.35 x 13.78 x 5.12 inch | | 14.17 x 13.39 x 4.33 inch | |
| Package Dimensions | 17.72 x 16.14 x 7.28 inch | | 16.73 x 15.94 x 6.70 inch | |
| Net Weight | 13.4 lbs (6.1 kg) | | 10.5 lbs (4.8 kg) | |
| Gross Weigh | 17.9 lbs (8.1 kg) | | 14.1 lbs (6.4 kg) | |
| External Packing | Carton | | | |
| Charging Handle/ Connecter Life Cycle | 10,000 insertion/removal events (no load) | | | |
| Communication | Wi-Fi, Hotspot | | | |
| Application | Android/IOS | | | |
| Warranty | 2-year limited warranty | | | |

# PION POWER

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