



Specification of Enviro EV Nimble

Enviro EV Nimble

A Commercial, Fast – Rapid, DC EV charging station with excellent performance



FUNCTIONS

- **OCA Official Certification:** They are certified by OCA with full featured OCPP+Level3 Security, ensuring the highest standards of operation and safety.
- **Flexible Interface Options:** Multiple interfaces for seamless integration with external energy management systems.

APPEARANCE STRUCTURE

- **Stainless Steel Enclosure:** Crafted with a highly corrosion-resistant stainless-steel shell, these charging stations are designed to withstand the damp and rainy conditions common in the UK.
- **Front-Access Maintenance:** The ultra slim design facilitates straightforward installation and maintenance, reducing the complexity and time required for upkeep.
- **Universal Compatibility:** Effortless A single enclosure design is compatible with charging power from 20kW to 40kW, offering flexibility in various charging scenarios.

INTERNAL COMPONENTS

- **Modular Internal Structure:** The stations feature a low failure rate and easy maintenance, thanks to their modular internal structure.
- **10-inch HD touch screen:** All configurations can be quickly completed locally with the intuitive 10-inch HD touch screen.
- **Precision Metering:** Equipped with an integrated MID meter for accurate billing in commercial settings.
- **Optional 4G Connectivity:** Offers diverse networking solutions to clients.

SCENARIOS

- **POS Machine Integration:** The charging stations can be linked with OCPP through a POS machine, allowing OCPP to control the charging process.
- **Direct POS Connection:** Alternatively, the POS machine can be directly connected to the charging station, with OCPP managing the pricing in real time.



Item	Description
Model	Enviro EV Nimble
Rated Power	20kW/30kW/40kW
Input Voltage	TN-C-S, 400V±15%
Input Frequency	50/60 Hz
PF (Power Factor)	≥98%@50%~100% Full Load Output Power
Output Voltage	200~1000V DC
Output Current	0~100A
Constant-Power Output Range	300~1000V DC
Configuration of Charging Connection Device	1 Charging Cabinet with 1 CCS2 Charging Plug (5m Charging Cable)
Ripple Factor	≤±0.5% (RMS)
Peak Eciency	≥96%@1000V, 50%~100% Full Load, Rated Input Voltage
Voltage Stabilized Accuracy	<0.5%
Current Stabilized Accuracy	<±1%@20%~100% Full Load Output Power
Output Voltage Error	±0.5%
Output Current Error	≤±1% (When Output Current≥30A); ≤±0.3A (When Output Current<30A)
THD-I	≤5%
Electric Energy Measurement Method	Measuring DC Output Electric Energy
HMI	10-Inch LCD Touch Screen
Communication Interface to Central Server	Ethernet/4G-LTE/WiFi
Communication Protocol	OCPP 1.6J (OCPP 2.0.1 Released in 2025)
Protection Rating	IP54
Work Altitude	≤2000m
Work Temperature	-20~55°C, Derating Output in 50~55°C
Work Humidity	≤95%RH, Condensation without Water Droplets
Dimension (H*W*D, mm)	750*600*150
Weight	About 60kg