

EV Station Lite



Weatherproof, 11 kW Level 2 electric vehicle charging station with flexible access control and card reader accessory support for payment processing.

Mechanical

Dimensions	254.7 x 192.7 x 85 mm (10 x 7.6 x 3.3")
Weight	5.9 kg (13 lb)
Enclosure material	Polycarbonate
Charging cable length	7 m (23 ft)
Mounting	Wall mount. stand with adapter
Weatherproofing	Type 3R
Charging outlet	SAE J1772

Hardware

Display size	2" LCM display
Resolution	240 x 320 (1:1.2)
Touch screen technology	Capacitive multi-touch
Processor	Dual-core Arm® Cortex®-A53, 1 GHz
Power input	200–240V ~ 50A, 50/60Hz, 1φ
Power output	200–240V ~ 50A, 50/60Hz, 1φ

Circuit breaker for charging output	Circuit rating	Max. load	Plug-in	Hardwired
	70A	50A	No	Yes
	60A	48A	No	Yes
	50A	40A	Yes	Yes
	40A	32A	Yes	Yes
	30A	24A	Yes	Yes
	20A	16A	Yes	Yes

The circuit must be rated for 125% of the maximum load.

Note: The EV Station can be wired to support higher amperages. Please consult your electrician codes for breaker and wire sizing requirements. The field-wiring terminal is rated up to 105°C, and is compatible with wiring up to 16 mm² (6 AWG).

Connectivity	(1) GbE RJ45 port (1) USB-C port (Reserved for payment module) Bluetooth® 5.0 WIFI 2.4G
Ambient operating temperature	-40 to 50° C (-40 to 122° F)
Ambient operating humidity	5 to 90% noncondensing
Certifications	FCC, IC, UL

Software

UniFi OS application	UniFi Connect
Mobile apps	UniFi Connect iOS™ and Android™



Important Safety Instructions

WARNING

When using electric products, basic precautions should always be followed, including the following. This manual contains important instructions for Model UC-EV-Station that shall be followed during installation, operation and maintenance of the unit.

1. Read all the instructions before using this product.
2. This device should be supervised when used around children.
3. Do not put fingers into the electric vehicle connector.
4. Do not use this product if the flexible power cord or EV cable is frayed, has broken insulation, or any other signs of damage.
5. Do not use this product if the enclosure or the EV connector is broken, cracked, open, or shows any other indication of damage.
6. The ambient temperature rating, -40°C to 50°C (-40°F to 122°F).
7. The 6 AWG, 105°C conductor intended for keld wiring connection.
8. "CAUTION. To reduce the risk of fire, connect only to a circuit provided with (+) amperes maximum branch circuit overcurrent protection in accordance with the National Electrical Code, ANSI/NFPA 70 and the Canadian Electrical Code, Part I, C22.1."

Note (+) – See below table for suggested branch circuit size.

Unit rated current (A)	Branch breaker size (A)
50	70
40	50

Grounding Instructions

For Cord Connected Unit

"WARNING". This product must be grounded. If it should malfunction or break down, grounding provides a path of least resistance for electric current to reduce the risk of electric shock. This product is equipped with a cord having an equipment grounding conductor and a grounding plug. The plug must be plugged into an appropriate outlet that is properly installed and grounded in accordance with all local codes and ordinances. Improper connection of the equipment-grounding conductor is able to result in a risk of electric shock. Check with a qualified electrician or serviceman if you are in doubt as to whether the product is properly grounded. Do not modify the plug provided with the product - if it will not fit the outlet, have a proper outlet installed by a qualified electrician.

For Permanently Connected Unit

"WARNING". This product must be connected to a grounded, metal, permanent wiring system, or an equipment-grounding conductor must be run with the circuit conductors and connected to the equipment grounding terminal or lead on the product.

Installation Instructions

Instructions

This device shall be mounted at a sufficient height from grade such that the height of the storage means for the coupling device is located between 600 mm (24 inches) and 1.2 m (4 feet) from grade.



Error information

Error codes

Error Code	Error Action
E00	Please unplug and reinsert the power cord, then reboot the station. If this doesn't resolve your issue, please contact our Service Center.
E01	Please remove the connector then reinsert it.
E02	Please remove the connector then reinsert it.
E03	Please have an admin or electrician check the connector, cable, station, and charge port for water damage. They should also ensure that no conductor wires are touching the ground.
E04	Please have an admin verify that the station is properly grounded. They should also check all connections, including the wall mount terminals, electrical panel(s), and junction boxes.
E05	Please have an electrician remove the station from the wall mount, verify that the conductors are the correct size, and ensure that the terminal block is properly torqued.
E06	Please remove the connector and reboot the station.
E07	Please reduce the vehicle's charge current setting, record the vehicle's VIN and the time when this error occurred, then contact the vehicle's manufacturer.
E08	Please have an admin verify that the station's power supply has 200-240V output. If it does but this issue persists, have an electrician remove the station from the wall mount and record the terminal block voltage readings for: L1 to L2/N, L1 to Ground, and L2/N to Ground.
E09	Please remove the connector and reboot the station.
E10	Please have an admin contact the Ubiquiti Service Center.
E11	Please have an admin verify that the station's power supply has 200-240V output. If it does but this issue persists, have an electrician remove the station from the wall mount and record the terminal block voltage readings for: L1 to L2/N, L1 to Ground, and L2/N to Ground.



Specifications are subject to change. Ubiquiti products are sold with a limited warranty (ui.com/support/warranty) which requires the use of arbitration to resolve disputes on an individual basis instead of jury trials or class actions.

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