

EV Station



Mechanical

Dimensions	280 x 178 x 143 mm (11 x 7 x 5.6")
Weight	With wall mount, charging gun, power cord: 8.1 kg (17.9 lb)
Enclosure materials	Front modules: plastic Middle module: aluminum, plastic
Mount material	Plastic
Charging cable length	5 m (16.4 ft)
Mounting	Wall mount and stand
Weatherproofing	Type 3R
Charging outlet	SAE J1772

Hardware

Display size	257 mm (10.1") diagonal
Resolution	800 x 1280 (10:16)
Display luminance	800 nits (typical)
Touch screen technology	Capacitive multi-touch
Processor	Octa-core Arm® Cortex®-A53, 1.8 GHz
Memory	Storage: 32GB RAM: 2GB
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) 2 pin ATX connector Bluetooth® 4.2
Sensors	ALS + PS (ambient light sensor + proximity sensor)
Embedded front camera	8 MP
Operating temperature	-40 to 50° C (-40 to 122° F)
Operating humidity	5 to 90% noncondensing
Certifications	FCC, IC

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 instruction manual shall indicate the ambient temperature rating, -40°C to 50°C (-40°F to 122°F).
7. The instruction manual shall include information identifying the 6 AWG, 105°C conductor intended for field wiring connection.
8. The instruction manual shall include the word "CAUTION" and the following or equivalent: "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

Note

Instructions shall include the following items. The word "WARNING" shall be entirely in upper case letters or shall be emphasized to distinguish it from the rest of the text.

For Cord Connected Unit

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.

WARNING

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

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

Note

Installation instructions shall contain all the information needed to install the product for use as intended and shall be preceded by the heading "INSTALLATION INSTRUCTIONS" or the equivalent.

Instructions

1. The instructions shall contain all statements required for proper mounting. This includes the type of wall surface that is acceptable, the proper mounting hardware that should be used, any preparation of surfaces, and the like.

2. The installation instructions shall contain the statement

“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”.

Rather than the markings indicated above, mounting diagrams that indicate a specific height or instructions to mount the unit at a specific height are considered acceptable.

Moving, Transporting, and Storage Instructions**Instructions**

1. If improper moving or storage of the device is able to result in damage to the product that could result in a risk of fire or electric shock during subsequent use, the instructions shall describe the proper moving and storage procedure, and shall be preceded by the heading “MOVING AND STORAGE INSTRUCTIONS” or the equivalent.

2. Instructions shall state that the device is not to be lifted or carried by either the flexible cord or the EV cable, if provided. The appropriate means for carrying and moving the device shall be described.

3. Instructions for the proper storage of the device, including location, temperature limits, and the like, shall be provided in the Moving, Transporting, and Storage Instructions.

