



WALL CONNECTOR, 32A THREE PHASE DATASHEET

Approved Markets: Europe, China, Hong Kong, Australia.

For additional languages, please visit: <http://www.teslamotors.com/wallconnector>



The maximum power rating for the Wall Connector is 22 kW or 32A at 400V AC three-phase power.

Description	Specifications
Voltage and Wiring	<ul style="list-style-type: none"> • Nominal voltage: <ul style="list-style-type: none"> • 230V AC single-phase: L1, neutral, and earth ground • 230V AC three-phase: L1, L2, L3 and earth ground • 400V AC three-phase: L1, L2, L3, neutral and earth ground • Voltage range: <ul style="list-style-type: none"> • 180V to 264V AC between N and L1 terminals
Current	Maximum 32A
Frequency	50 Hz
Cable Length	2.6 m (standard) and 7.4 m (option)
Wall Connector Dimensions	Height: 380 mm Width: 160 mm Depth: 140 mm
Top Entry Bracket Dimensions	Height: 275 mm Width: 130 mm Depth: 50 mm
Weight (including bracket)	9 kg
Operating Temperature	-30°C to 50°C
Storage Temperature	-40°C to 85°C
Enclosure Rating	IP 55: indoor and outdoor use
Agency Approvals	CE



Optional Circuit Ratings

Use a three-phase circuit breaker rated for 32A per phase to obtain the fastest charging. In certain installation locations, this level of power isn't readily available. Therefore, you can adjust the circuit breaker rating on the Wall Connector from 6A to 32A

Note: Tesla vehicles must be configured with optional onboard charging equipment to accept higher amperages. Contact Tesla if you have questions about the onboard charging capabilities of your vehicle.

Self-Monitoring and Recovery

The Wall Connector has a ground monitoring circuit that continuously checks for the presence of a safe ground connection and automatically recovers from faults. Manual testing and resetting is not required.

Temporary problems such as ground faults or utility power surges are overcome automatically. If a residual current fault occurs that interrupts charging, the Wall Connector automatically tries to clear the fault and re-attempt charging.

If the problem is immediately sensed a second time, the Wall Connector waits 15 minutes before trying to charge. This process repeats 4 times and if all attempts are unsuccessful, power is removed and no further attempts are made. In this case, you will see a red error light on the front panel. It is recommended that when you see a red error light, you power off the Wall Connector by switching off the upstream circuit breaker, and then power it back on again.

The Wall Connector can alternatively be reset when a red error light is encountered using the RESET button

Power Outages

If a power outage occurs, the Wall Connector automatically resumes charging when power is restored. If the charging cable is plugged into the vehicle when power is restored, the lights blink and the unit does not energize the charging cable for approximately 15 seconds to three minutes. This prevents the utility grid from experiencing a large surge when power is restored and allows vehicles to begin drawing current at random times, rather than all at once.

Load Sharing

The Wall Connector provides the capability to wire 4 Wall Connectors to a single circuit, giving vehicle owners reassurance that they can charge multiple vehicles at home