

Estimate



Estimate # 4566

3101 Stony Brook Drive
Suite 148
Raleigh NC 27604
919-847-1617

Date 9/13/2019

Name / Address	Ship To	P.O. No.		
Dwayne Rich 258 Curragh Cove Fuquay-Varina, NC 27526, United States	Model 3 Long Range(48Amp Onboard Charger) 400Amp Service Upgrade Wall Connector & Exterior NEMA14- 258 Curragh Cove Fuquay-Varina, NC 27526	32Amp Charge Rate		
Description		Qty	Cost	Total
We Propose To Furnish & Install Electrical Work As Follows:				
WIRETECH COMPANY Provides A Five Year Warranty On This Installation				
Service Upgrade Work Has To Be Done During Normal Business Hours Monday Through Friday, We Will Coordinate Electrical Service Drop/Reconnect With DUKE Progress Energy And Harnett County Electrical Inspector - Work Will Be Completed In One Full Day				
Charge For Harnett County Electrical Permit (Calculations, Documentation, Filing, Procurement, Inspection Scheduling & Coordination)	1	200.00	200.00	
Supply And Install EATON Cutler Hammer Type CH 400Amp Meter Service-Panel With One 200Amp Main Breaker With 40Space Branch Circuit Breaker Buss And Space For Additional MAIN Breaker (Manufacturer's Lifetime Warranty Equipment)	1	3,900.00	3,900.00	
Supply And Install Copper Conductor Circuit +/-80Ft - 240Volt 50Amp 4Wire - From 400Amp Meter Service Panel To NEMA14-50 Outlet (Includes BR 50Amp Circuit Breaker)	1	900.00	900.00	
Trenching And Backfill At 18Inch Depth From Crawspace To Treated Post +/-5Ft (Includes Masonry Foundation Bore And Sealing) - Backfill Only After Underground Inspection Approval	1	200.00	200.00	
Supply And Install Exterior Rated Surface Mount Outlet Box On Treated 4x4 Post With NEMA14-50 Receptacle (Hubbell Industrial Grade Outlet) - Includes Conduit From Crawspace Underground To Post	1	375.00	375.00	
Supply TESLA Gen-2 Mobile Charge Cable Adapter NEMA14-50 (Cost + NC Tax)	1	37.54	37.54	
ADD-ON OPTION - Supply And Install TESLA Cable Organizer Bracket - (PN: 1022771-00-A) - (Cost + NC Tax)	1	26.81	26.81	
Supply And Install Copper Conductor Circuit +/-50Ft - 240Volt 60Amp 3Wire - From 400Amp Meter Service Panel To TESLA Wall Connector Inside Garage (Includes BR 60Amp Circuit Breaker)	1	600.00	600.00	
Supply TESLA Wall Connector With 24Ft Cord - (PN: 1050067-01-E) - (Cost + NC Tax)	1	536.25	536.25	
Install And Configure TESLA Wall Connector 24FT Cord EVSE On Front Garage Sheetrock Wall Near Center	1	200.00	200.00	
E-Mail	wiretechco@bellsouth.net			
We Accept Checks, Cash and Credit Cards	Total			

Estimate



Estimate # 4566

Date 9/13/2019

3101 Stony Brook Drive
Suite 148
Raleigh NC 27604
919-847-1617

		P.O. No.
Name / Address	Ship To	32Amp Charge Rate
Dwayne Rich 258 Curragh Cove Fuquay-Varina, NC 27526, United States	Model 3 Long Range(48Amp Onboard Charger) 400Amp Service Upgrade Wall Connector & Exterior NEMA14- 258 Curragh Cove Fuquay-Varina, NC 27526	

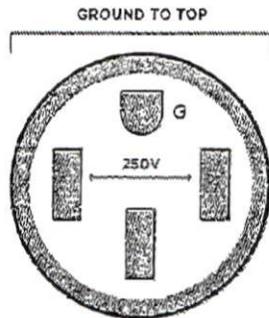
Description	Qty	Cost	Total
FUTURE PROOF OPTIONAL ADD-ON - Supply And Install Wall Connector Circuit Conductor And Breaker Upgrade To 100Amp (Maximum Allowable Input To TESLA Wall Connector - Used For Multiple Wall Connectors Load Sharing Single Circuit - Fastest Charging Of Multiple Vehicles Simultaneously)	0	225.00	0.00
RECOMMENDED - EATON Ultimate Whole House Surge Protector - Lifetime Warranty Device With Manufacturer's \$75K Connected Equipment Repair/Replacement 30-Month Policy	1	300.00	300.00
The NEMA Outlet Installation Provides Standard Level 2 Charging To Any Model TESLA Via NEMA14-50 Outlet And Mobile Charge Cable Supplied With Vehicle - Gen-2 Mobile Cable 14-50 Adapter Required (32Amp Charge Rate) - The Wall Connector Installation Provides Fastest Level 2 Charging To All New TESLA Models Via Permanently Installed TESLA Wall Connector (48Amp Charge Rate)			
2017 NEC (National Electrical Code) Load Calculations For The Upgraded 400Amp Electrical Service Determines Adequate Capacity For This Installation And Future Loads As Well As Future Inputs			
WIRETECH COMPANY Is Not Responsible For Sheetrock/Painting Damages Or Repairs (This Is Not Anticipated For This Installation)			

E-Mail	wiretechco@bellsouth.net		
We Accept Checks, Cash and Credit Cards		Total	\$7,275.60



CHARGING INSTALLATION: 240 VOLT NEMA 14-50 OUTLET

The Mobile Connector is included as standard equipment with all new vehicles. This is a 20-foot-long cable with interchangeable adapters which can be used to plug in to different outlets. This guide provides detail on installing a NEMA 14-50 outlet for home charging with the Mobile Connector. Adapter purchased separately.



NEMA 14-50 OUTLET DETAILS

- **Circuit Breaker:** 50 amps
- **Voltage:** Single phase, 208-250 volt AC supply, 60 hertz
- **Four Wire Configuration:** Line 1 - Line 2 - Ground - Neutral
- **Conductors:** 6 AWG copper wire for circuits up to 150 feet
- **Outlet:** Use a high quality, industrial grade outlet
- **Ground Pin Orientation:** Top position of outlet
- **Ventilation:** Not required



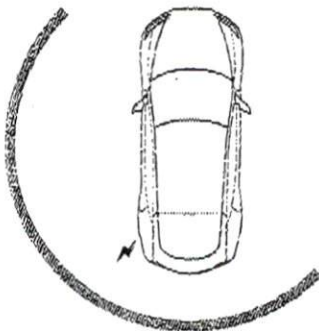
USING THE MOBILE CONNECTOR

Attach adapter to Mobile Connector, plug into outlet and then into vehicle to begin charging. The NEMA 14-50 adapter will allow a Tesla to draw up to 32 amps (7.6 kW at 240 volts). Recharge speeds will vary between different models.


MILES OF RANGE PER HOUR OF CHARGE

MODEL 3	MODEL S	MODEL X
23	23	23

INSTALL LOCATIONS



 CHARGE PORT

 RECOMMENDED INSTALLATION AREA

ADDITIONAL SUPPORT

EMAIL

CHARGINGINSTALLATION@TESLA.COM

PHONE

650.681.6133 (M-F 8:30 AM - 5:30 PM PST)

24/7 TECH SUPPORT

877.798.3752

WEB

TESLA.COM/SUPPORT

ONLINE STORE

SHOP.TESLA.COM



WALL CONNECTOR

The Wall Connector is a Tesla specific charging station, hard wired and permanently mounted to a wall or post. Redesigned in Spring 2016, highlights include:

- Compatible with Model S and Model X
- Customizable power settings to fit any electrical system
- Power sharing: Link up to four Wall Connectors to a single circuit
- Two cable length options: 8.5' or 24'
- Indoor and outdoor rated

Have a licensed electrician review the electrical load of your home prior to installation. As with any home improvement project, a permit and city inspection may be required.



RECHARGE RATES FOR STANDARD AND HIGH AMPERAGE CHARGING

On-Board Charger	Circuit Breaker (Amperage)	Model S Miles Per Hour	Model X Miles Per Hour
Standard	60-amps (48A draw)	34*	30*
High Amperage	90-amps (72A draw)	52*	46*

*Numbers based on a 90D configuration and 240-volt power supply. Recharge speeds may vary. Refer to the Wall Connector installation guide for additional power level options.

RECOMMENDED LOCATIONS



- CHARGE PORT
- RECOMMENDED LOCATION FOR 24' CABLE
- RECOMMENDED LOCATION FOR 8.5' CABLE

ADDITIONAL RESOURCES

EMAIL
CHARGINGINSTALLATION@TESLA.COM

PHONE
 650.681.6133 (M-F)

24/7 TECH SUPPORT
 877.798.3752

WEB
TESLA.COM/SUPPORT

ONLINE STORE
SHOP.TESLA.COM

Specifications



The maximum power rating for the Wall Connector is 20 kW or 80A at 250V AC single-phase power.

Description	Specifications
Voltage and Wiring	208V or 240V AC single-phase: L1, L2, and earth
Current	Maximum output: 80A, 72A, 64A, 56A, 48A, 40A, 36A, 32A, 28A, 24A, 20A, 16A, 12A
Frequency	50 to 60 Hz
Cable Length	8.5' (2.6 m) and 24' (7.4 m)
Wall Connector Dimensions	Height: 15.0" (380 mm) Width: 6.3" (160 mm) Depth: 5.5" (140 mm)
Top Entry Bracket Dimensions	Height: 10.8" (275 mm) Width: 5.1" (130 mm) Depth: 2.0" (50 mm)
Weight (including bracket)	20 lb (9 kg)
Operating Temperature	-22°F to 122°F (-30°C to 50°C)
Storage Temperature	-40°F to 185°F (-40°C to 85°C)
Enclosure Rating	Type 3R
Agency Approvals	cULus listed for United States and Canada under file number E354307, FCC Part 15.
Ventilation	Not Required.

Safety Information

Important Safety Instructions

This document contains important instructions and warnings that must be followed when installing and maintaining the Wall Connector.

Warnings

- ⚠ Warning: Read all the instructions before using this product.
- ⚠ Warning: This device should be supervised when used around children.
- ⚠ Warning: The Wall Connector must be grounded through a permanent wiring system or an equipment grounding conductor.
- ⚠ Warning: Do not install or use the Wall Connector near flammable, explosive, harsh, or combustible materials, chemicals, or vapors.
- ⚠ Warning: Turn off input power at the circuit breaker before installing or cleaning the Wall Connector.
- ⚠ Warning: Use the Wall Connector only within the specified operating parameters.
- ⚠ Warning: Never spray water or any other liquid directly at the wall mounted control box. Never spray any liquid onto the charge handle or submerge the charge handle in liquid. Store the charge handle in the dock to prevent unnecessary exposure to contamination or moisture.
- ⚠ Warning: Stop using and do not use the Wall Connector if it is defective, appears cracked, frayed, broken, or otherwise damaged, or fails to operate.
- ⚠ Warning: Do not attempt to disassemble, repair, tamper with, or modify the Wall Connector. The Wall Connector is not user serviceable. Contact Tesla for any repairs or modification.
- ⚠ Warning: When transporting the Wall Connector, handle with care. Do not subject it to strong force or impact or pull, twist, tangle, drag, or step on the Wall Connector, to prevent damage to it or any components.

- ⚠ Warning: Do not touch the Wall Connector's end terminals with fingers or sharp metallic objects, such as wire, tools, or needles.
- ⚠ Warning: Do not forcefully fold or apply pressure to any part of the Wall Connector or damage it with sharp objects.
- ⚠ Warning: Do not insert foreign objects into any part of the Wall Connector.
- ⚠ Warning: Use of the Wall Connector may affect or impair the operation of any medical or implantable electronic devices, such as an implantable cardiac pacemaker or an implantable cardioverter defibrillator. Check with your electronic device manufacturer concerning the effects that charging may have on such electronic devices before using the Wall Connector.

Cautions

- ⚠ Caution: Do not use private power generators as a power source for charging.
- ⚠ Caution: Incorrect installation and testing of the Wall Connector could potentially damage either the vehicle's Battery and/or the Wall Connector itself. Any resulting damage is excluded from the New Vehicle Limited Warranty and the Charging Equipment Limited Warranty.
- ⚠ Caution: Do not operate the Wall Connector in temperatures outside its operating range of -22°F to 122°F (-30°C to +50°C).