# COST TO CHARGE

Battery Sizes were obtained using manufacturer websites. This chart does not take into account the usable battery percentage (this means it may cost less to charge your vehicle from empty to full if the usable battery percentage is less than the battery size).

| VEHICLE | BATTERY SIZE (kWh) | COST TO CHARGE $0.1287** PER kWh | EXPECTED ELECTRICAL MILES ON A CHARGE PER EPA | ESTIMATED GAS EQUIVALENT COST FOR AVERAGE US LIGHT DUTY (22 MPG AT $2.732)*** | AVERAGE $AVINGS PER CHARGE (COMPARED TO GAS) |
|---|---|---|---|---|---|
| BMW ActiveE | 32 | $4.12 | 94 | $11.67 | **$7.55** |
| BMW i3 2014-2016 | 23 | $2.96 | 81 | $10.06 | **$7.10** |
| BMW i3 2017 (60 Ah) | 23 | $2.96 | 82 | $10.18 | **$7.22** |
| BMW i3 2017 (90 Ah) | 32 | $4.12 | 114 | $14.16 | **$10.04** |
| Chevy Bolt | 60 | $7.72 | 238 | $29.56 | **$21.84** |
| Chevy Spark | 23 | $2.96 | 82 | $10.18 | **$7.22** |
| Coda | 31 | $3.99 | 88 | $10.93 | **$6.94** |
| Fiat 500E | 24 | $3.09 | 87 | $10.80 | **$7.71** |
| Ford Focus EV | 23 | $2.96 | 76 | $9.44 | **$6.48** |
| Ford Focus EV 2017-2018 | 33.5 | $4.31 | 115 | $14.28 | **$9.97** |
| Honda Clarity | 25.5 | $3.28 | 89 | $11.05 | **$7.77** |
| Hyundai Ioniq | 28 | $3.60 | 105 | $13.04 | **$9.44** |
| Hyundai Kona | 64 | $8.24 | 258 | $32.04 | **$23.80** |
| Jaguar I-PACE | 90 | $11.58 | 240 | $29.80 | **$18.22** |
| Kia Soul | 27 | $3.47 | 93 | $11.55 | **$8.08** |
| Mercedes B Class | 28 | $3.60 | 87 | $10.80 | **$7.20** |
| Mitsubishi i-MiEV | 16 | $2.06 | 62 | $7.70 | **$5.64** |
| Nissan Leaf 2011-2015 (2016 S Model) | 24 | $3.09 | 79 | $9.81 | **$6.72** |
| Nissan Leaf 2016 SL and SV | 30 | $3.86 | 107 | $13.29 | **$9.43** |
| Nissan Leaf 2017 S, SL and SV | 30 | $3.86 | 107 | $13.29 | **$9.43** |
| Nissan Leaf 2018 S, SL and SV | 40 | $5.15 | 150* | $18.63 | **$13.48** |
| Smart Car | 17.6 | $2.27 | 68 | $8.44 | **$6.17** |
| Smart ForTwo | 17.6 | $2.27 | 80 | $9.93 | **$7.66** |
| Tesla Model 3 Standard | 50 | $6.44 | 220 | $27.32 | **$20.88** |
| Tesla Model 3 Long Range | 70 | $9.01 | 310 | $38.50 | **$29.49** |
| Tesla Model S 60 Single | 60 | $7.72 | 208 | $25.83 | **$18.11** |
| Tesla Model S 70 Single | 70 | $9.01 | 235 | $29.18 | **$20.17** |
| Tesla Model S 75 & 75D | 75 | $9.65 | 259 | $32.16 | **$22.51** |
| Tesla Model S 85 Single | 85 | $10.94 | 265 | $32.91 | **$21.97** |
| Tesla Model S 90 Single | 90 | $11.58 | 276 | $34.27 | **$22.69** |
| Tesla Model S 100 & P100D | 100 | $12.87 | 315 | $39.12 | **$26.25** |
| Tesla Model S 60 Dual | 60 | $7.72 | 208 | $25.83 | **$18.11** |
| Tesla Model S 70 Dual | 70 | $9.01 | 235 | $29.18 | **$20.17** |
| Tesla Model S 85 Dual | 85 | $10.94 | 265 | $32.91 | **$21.97** |
| Tesla Model S 90 Dual | 90 | $11.58 | 276 | $34.27 | **$22.69** |
| Tesla Model X 60 | 60 | $7.72 | 200 | $24.84 | **$17.12** |
| Tesla Model X 75 & 75D | 75 | $9.65 | 237 | $29.43 | **$19.78** |
| Tesla Model X 90 | 90 | $11.58 | 257 | $31.91 | **$20.33** |
| Tesla Model X 100 & P100D | 100 | $12.87 | 289 | $35.89 | **$23.02** |
| Tesla Roadster | 56 | $7.21 | 245 | $30.42 | **$23.21** |
| Toyota Rav4 | 41.8 | $5.38 | 103 | $12.79 | **$7.41** |
| VW e-Golf (before 2017) | 24 | $3.09 | 83 | $10.31 | **$7.22** |
| VW e-Golf 2017 | 35.8 | $4.61 | 83 | $10.31 | **$5.70** |

*NOT confirmed with EPA (Dept. of Energy - Fuel Economy)

**Price Referencing National Residential Average Price per kWh as of October 2018 (US EIA - Electric Power Monthly)

***Using Average Fuel Efficiency of Light-Duty Vehicle in US 2016 and Average Cost per Gallon of Regular Unleaded as of October 2018 (Dept. of Trans. Average MPG & Dept. of Energy Fuel Update)

# COST TO CHARGE

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PLUG-IN HYBRID ELECTRIC VEHICLES

| VEHICLE | BATTERY SIZE (kWh) | COST TO CHARGE $0.1287** PER kWh | EXPECTED ELECTRICAL MILES ON A CHARGE PER EPA | ESTIMATED GAS EQUIVALENT COST FOR AVERAGE US LIGHT DUTY (22 MPG AT $2.732)*** | AVERAGE $AVINGS PER CHARGE (COMPARED TO GAS) |
|---|---|---|---|---|---|
| Audi A3 E-Tron | 8.8 | $1.13 | 17 | $2.11 | **$0.98** |
| BMW 330e | 7.6 | $0.98 | 14 | $1.74 | **$0.76** |
| BMW 530e | 9.2 | $1.18 | 19 | $2.36 | **$1.18** |
| BMW 740e | 9.2 | $1.18 | 14 | $1.74 | **$0.56** |
| BMW i8 | 7.1 | $0.91 | 15 | $1.86 | **$0.95** |
| BMW X5 xDrive 40e | 9 | $1.16 | 14 | $1.74 | **$0.58** |
| Cadillac CT6 | 18.4 | $2.37 | 31 | $3.85 | **$1.48** |
| Cadillac ELR | 16.5 | $2.12 | 38 | $4.72 | **$2.60** |
| Chevy Volt 2010-2016 | 16.5 | $2.12 | 38 | $4.72 | **$2.60** |
| Chevy Volt 2017-2019 | 18.4 | $2.37 | 53 | $6.58 | **$4.21** |
| Chrysler Pacifica | 16 | $2.06 | 33 | $4.10 | **$2.04** |
| Fisker Karma | 20 | $2.57 | 33 | $4.10 | **$1.53** |
| Ford C Max Energi | 7.6 | $0.98 | 20 | $2.48 | **$1.50** |
| Ford Fusion Energi | 7.6 | $0.98 | 21 | $2.61 | **$1.63** |
| Honda Accord | 6.7 | $0.86 | 13 | $1.61 | **$0.75** |
| Honda Clarity Plug-In Hybrid | 17 | $2.19 | 47 | $5.84 | **$3.65** |
| Hyundai Ioniq Plug-In Hybrid | 8.9 | $1.15 | 29 | $3.60 | **$2.45** |
| Hyundai Sonata | 9.8 | $1.26 | 27 | $3.35 | **$2.09** |
| Karma Revero | 21.4 | $2.75 | 50* | $6.21 | **$3.46** |
| Kia Niro | 8.9 | $1.15 | 26 | $3.23 | **$2.08** |
| Kia Optima | 9.8 | $1.26 | 29 | $3.60 | **$2.34** |
| Mercedes C350 Hybrid | 6.2 | $0.80 | 19 | $2.36 | **$1.56** |
| Mercedes GLC 350e | 8.7 | $1.12 | 21 | $2.61 | **$1.49** |
| Mercedes GLE 550e | 8.8 | $1.13 | 19 | $2.36 | **$1.23** |
| Mercedes S550 Hybrid | 8.7 | $1.12 | 14 | $1.74 | **$0.62** |
| MINI Cooper S E Countryman ALL4 | 7.6 | $0.98 | 24 | $2.98 | **$2.00** |
| Mitsubishi Outlander PHEV | 12 | $1.54 | 33* | $4.10 | **$2.56** |
| Porsche Cayenne S E-Hybrid | 10.8 | $1.39 | 14 | $1.74 | **$0.35** |
| Porsche Panamera S E-Hybrid | 9.4 | $1.21 | 16 | $1.99 | **$0.78** |
| Porsche Panamera 4 E-Hybrid | 14.1 | $1.81 | 31 | $3.85 | **$2.04** |
| Porsche 918 Spyder | 6.8 | $0.88 | 12 | $1.49 | **$0.61** |
| Range Rover P400e | 13.1 | $1.69 | 31 | $3.85 | **$2.16** |
| Subaru Crosstrek PHEV | 8.8 | $1.13 | 17 | $2.11 | **$0.98** |
| Toyota Prius EV | 4.4 | $0.57 | 11 | $1.37 | **$0.80** |
| Toyota Prius Prime EV | 8.8 | $1.13 | 22 | $2.73 | **$1.60** |
| VIA Motors Truck | 23 | $2.96 | 40 | $4.97 | **$2.01** |
| VIA Motors Van | 23 | $2.96 | 40 | $4.97 | **$2.01** |
| Volvo V60 | 11.2 | $1.44 | 27 | $3.35 | **$1.91** |
| Volvo S90 T8 | 10.4 | $1.34 | 21 | $2.61 | **$1.27** |
| Volvo XC60 T8 | 10.4 | $1.34 | 18 | $2.24 | **$0.90** |
| Volvo XC90 T8 | 9.2 | $1.18 | 14 | $1.74 | **$0.56** |

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