

Electric Vehicle Charge Time Comparison

Battery Electric & Plug-In Hybrid Vehicles



BATTERY ELECTRIC VEHICLES

Type of Vehicle	On-Board Charger (kW)	Battery Capacity (kWh)	Level 1 (12 A) Charge Time (Hours) Auto Manufacturer Supplied	Level 2 (30 A) Charge Time (Hours) Leviton EVR30-B1C	Level 2 (40 A) Charge Time (Hours) Leviton EVR40-B2C
BMW ActiveE	7	32	23	4.5	4.5
BMW i3 ('14-'16)	7.4	23	16.5	3	3
BMW i3 2017 (60 Ah Battery)	7.4	23	16.5	3	3
BMW i3 2017 (90 Ah Battery)	7.4	32	23	4.5	4.5
Chevrolet Bolt	7.2	60	43	8.5	8.5
Chevrolet Spark	3.3	23	16.5	7	7
Fiat 500E	6.6	24	17	3.5	3.5
Ford Focus EV	6.6	23	16.5	3.5	3.5
2017 Ford Focus EV	6.6	33.5	24	5	5
Hyundai Ioniq	6.6	28	20	5	5
Kia Soul	6.6	27	19.5	4	4
Mercedes B Class B250e	9.6	28	20	3.5	3
Mitsubishi i-MIEVE	3.3	16	11.5	5	5
Nissan Leaf (3.3 kW)	3.3	24	17	7.5	7.5
Nissan Leaf (6.6 kW)	6.6	24	17	3.5	3.5
2016-2017 Nissan Leaf (SL & SV)	6.6	30	21.5	4.5	4.5
2017 Nissan Leaf (3.3 kW)	3.3	30	21.5	9	9
2017 Nissan Leaf (6.6 kW)	6.6	30	21.5	4.5	4.5
Tesla Model S 60	9.6	60	43	8	6.5
Tesla Model S 70	9.6	70	50	9	7.5
Tesla Model S 85	9.6	85	60.5	11	9
Tesla Model S 90	9.6	90	64.5	11.5	9.5
Tesla Model S 100	9.6	100	71.5	13	10.5
Tesla Model X	9.6	100	71.5	13	10.5
Toyota RAV4	9.6	41.8	30	5.5	4.5
VW e-Golf (3.6 kW)	3.6	24	17	6.5	6.5
VW e-Golf (7.2 kW)	7.2	24	17	3.5	3.5
Zenith 350 Van	9.6	62.5	44.5	8	6.5

PLUG-IN HYBRID VEHICLES

Type of Vehicle	On-Board Charger (kW)	Battery Capacity (kWh)	Level 1 (12 A) Charge Time (Hours) Auto Manufacturer Supplied	Level 2 (30 A) Charge Time (Hours) Leviton EVR30-B1C	Level 2 (40 A) Charge Time (Hours) Leviton EVR40-B2C
Audi A3 E-Tron	3.3	8.8	6.5	2.5	2.5
Audi Q7 E-Tron	7.2	17.3	12.5	2.5	2.5
BMW 330e	3.6	7.6	5.5	2	2
BMW 530e	3.6	9.2	6.5	2.5	2.5
BMW 740e	3.6	9.2	6.5	2.5	2.5
BMW i8	3.6	7.1	5	2	2
BMW X5 xDrive-40e	3.6	9	6.5	2.5	2.5
Cadillac CT6	3.6	18.4	13	4.5	4.5
Cadillac ELR	3.3	16.5	12	4	4
Chevrolet Volt	3.3	16.5	12	4	4
Chevrolet Volt 2016/2017	3.6	18.4	13	4.5	4.5
Chrysler Pacifica	6.6	16	11.5	4	4
Fisker Karma	3.3	16	11.5	4	4
Ford C-Max Energi	3.3	7.6	5.5	2	2
Ford Fusion Energi	3.3	7.6	5.5	2	2
Honda Accord	6.6	6.7	5	1	1
Kia Optima	6.6	9.8	7	3	3
Hyundai Sonata	3.3	9.8	7	3	3
Mercedes C350 Hybrid	3.3	6.2	4.5	2	2
Mercedes GLE 550e	3.3	8.8	6.5	2.5	2.5
Mercedes 5550 Hybrid	3.3	8.7	6	2.5	2.5
Mini Cooper S E Countryman ALL4	3.3	7.6	5.5	2.5	2.5
Mitsubishi Outlander	3.3	12	8.5	3.5	3.5
Porsche Cayanne S E-Hybrid	3.6	10.8	7.5	3	3
Porsche Cayanne S E-Hybrid Upgrade	7.2	10.8	7.5	1.5	1.5
Porsche Panamera S E-Hybrid	3.6	9.4	6.5	2.5	2.5
Porsche Panamera S E-Hybrid Upgrade	7.2	9.4	6.5	1.25	1.25
Porsche Panamera 4 E-Hybrid	3.6	14.1	10	4	4
Porsche Panamera 4 E-Hybrid Upgrade	7.2	14.1	10	2	2
Porsche 918 Spyder	3.6	6.8	5	2	2
Toyota Prius EV	3.3	4.4	3	1.5	1.5
Toyota Prius Prime EV	3.3	8.8	6.5	2.5	2.5
Volvo V60	3.3	11.2	8	3.5	3.5
Volvo XC90 T8	3.3	9.2	6.5	3	3

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