

ELECTRIC VEHICLE CHARGE TIMES / MILES RANGE PER HOUR

BATTERY ELECTRIC VEHICLES

VEHICLE	ACCEPTANCE RATE (kW)	BATTERY SIZE (kWh)	TIME TO COMPLETE A FULL CHARGE (IN HOURS)		ESTIMATED MILES RANGE PER HOUR OF CHARGE	
			Plug-in, 240V NEMA 14-50 outlet, 7.7 kW Max Power Delivery Rate	120V standard household outlet 1.4 kW Max Power Delivery Rate	Plug-in, 240V NEMA 14-50 outlet, 7.7 kW Max Power Delivery Rate	120V standard household outlet 1.4 kW Max Power Delivery Rate
			LEVEL 2 HCS-40PR 32A Max Charging Current	LEVEL 1 Cordset 120V, 12A (provided with car)	LEVEL 2 HCS-40PR 32A Max Charging Current	LEVEL 1 Cordset 120V, 12A (provided with car)
BMW ActiveE	7	32	4.5	23	23	4
BMW i3 2014-2016	7.4	23	3	16.5	24.5	4
BMW i3 2017	7.4	23	3	16.5	24.5	4
BMW i3 2017	7.4	32	4.5	23	24.5	4
Chevy Bolt	7.2	60	8.5	43	24	4
Chevy Spark	3.3	23	7	16	11	4
Coda	6.6	31	4.5	22	22	4
Fiat 500E	6.6	24	3.5	17	22	4
Ford Focus EV	6.6	23	3.5	16.5	22	4
2017 Ford Focus EV	6.6	33.5	5	24	22	4
Hyundai Ioniq	6.6	28	4	20	22	4
Kia Soul	6.6	27	4	19.5	22	4
Mercedes B Class B250e	9.6	28	3.5	11.5	25	4
Mitsubishi i-MiEV	3.3	16	5	11	11	4
Nissan Leaf (3.3kW)	3.3	24	7.5	17	11	4
Nissan Leaf (6.6kW)	6.6	24	3.5	17	22	4
2016-2017 Nissan Leaf (6.6kW, SL & SV Model)	6.6	30	4.5	21.5	22	4
2017 Nissan Leaf S (3.3kW, S Model)	3.3	30	7.5	21.5	11	4
2017 Nissan Leaf S (6.6kW, SL & SV Model)	6.6	30	9	21.5	22	4
Smart Car	3.3	17.6	5.5	12.5	11	4
Smart Fortwo ED	7	17.6	2.5	12.5	23	4
Tesla Model S 60 Single	9.6	60	8	43	25	4
Tesla Model S 70 Single	9.6	70	9	50	25	4
Tesla Model S 85 Single	9.6	85	11	60.5	25	4
Tesla Model S 90 Single	9.6	90	11.5	64.5	25	4
Tesla Model S 100 Single	9.6	100	13	71.5	25	4
Tesla Model S 60 Dual	19.2	60	9	43	25	4
Tesla Model S 70 Dual	19.2	70	11	50	25	4
Tesla Model S 85 Dual	19.2	85	11	60.5	25	4
Tesla Model S 90 Dual	19.2	90	11.5	64.5	25	4
Tesla Model S 100 Dual	19.2	100	13	71.5	25	4
Tesla Model X 60 Standard	11.5	60	8	43	25	4
Tesla Model X 75 Standard	11.5	75	9.5	53.5	25	4
Tesla Model X 90 Standard	11.5	90	11.5	64.5	25	4
Tesla Model X 100 Standard	11.5	100	13	71.5	25	4
Tesla Model X 60 Upgrade	17.2	60	8	43	25	4
Tesla Model X 75 Upgrade	17.2	75	9.5	53.5	25	4
Tesla Model X 90 Upgrade	17.2	90	11.5	64.5	25	4
Tesla Model X 100 Upgrade	17.2	100	13	71.5	25	4
Tesla Roadster	17.2	56	7.5	40	25	4
Toyota Rav4	9.6	41.8	5.5	30	25	4
VW e-Golf Upgrade (3.6kW)	3.6	24	6.5	17	12	4
VW e-Golf Upgrade (7.2kW)	7.2	24	3.5	17	24	4

*Acceptance Rates and Battery Sizes were obtained using Wikipedia and/or manufacturer websites.

**Charge times are only an estimate and the chart does not take into account the useable battery percentage.

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PLUG-IN HYBRID VEHICLES			TIME TO COMPLETE A FULL CHARGE (IN HOURS)		ESTIMATED MILES RANGE PER HOUR OF CHARGE	
			NEMA 14-50 outlet 7.7 kW Max Power Delivery Rate	120V standard household outlet 1.4 kW Max Power Delivery Rate	NEMA 14-50 outlet 7.7 kW Max Power Delivery Rate	120V standard household outlet 1.4 kW Max Power Delivery Rate
VEHICLE	ACCEPTANCE RATE (kW)	BATTERY SIZE (kWh)	LEVEL 2 HCS-40PR 32A Max Charging Current	LEVEL 1 Cordset (provided with car)	LEVEL 2 HCS-40PR 32A Max Charging Current	LEVEL 1 Cordset (provided with car)
Audi A3 E-Tron	3.3	8.8	2.5	6.5	11	4
Audi Q7 E-Tron	7.2	17.3	2.5	12.5	24	4
BMW 330e	3.6	7.6	2	5.5	12	4
BMW 530e	3.6	9.2	2.5	6.5	12	4
BMW 740e	3.6	9.2	2.5	6.5	12	4
BMW i8	3.6	7.1	2	5	12	4
BMW X5 xDrive-40e	3.6	9	2.5	6.5	12	4
Cadillac CT6	3.6	18.4	4.5	13	12	4
Cadillac ELR	3.3	16.5	4	12	11	4
2016/2017 Chevy Volt	3.6	18.4	4.5	13	12	4
Chevy Volt	3.3	16.5	4	12	11	4
Chrysler Pacifica	6.6	16	2.5	11.5	21	4
Fisker Karma	3.3	16	4	11.5	11	4
Ford C Max Energi	3.3	7.6	2	5.5	11	4
Ford Fusion Energi	3.3	7.6	2	5.5	11	4
Honda Accord	6.6	6.7	1	5	21	4
Hyundai Sonata	3.3	9.8	3	7	11	4
Karma Revero	6.6	21.4	3	15.5	11	4
Kia Optima	3.3	9.8	3	7	11	4
Mercedes C350 Hybrid	3.3	6.2	2	4.5	11	4
Mercedes GLE 550e	3.3	8.8	2.5	6.5	11	4
Mercedes S550 Hybrid	3.3	8.7	2.5	6	11	4
MINI Cooper S E Countryman ALL4	3.3	7.6	2.5	5	11	4
Mitsubishi Outlander	3.3	12	3.5	8.5	11	4
Porsche Cayenne S E-Hybrid	3.6	10.8	3	7.5	12	4
Porsche Cayenne S E-Hybrid ^{Upgrade}	7.2	10.8	1.5	7.5	24	4
Porsche Panamera S E-Hybrid	3.6	9.4	2.5	6.5	12	4
Porsche Panamera S E-Hybrid ^{Upgrade}	7.2	9.4	1.25	6.5	24	4
Porsche Panamera 4 E-Hybrid	3.6	14.1	4	10	12	4
Porsche Panamera 4 E-Hybrid ^{Upgrade}	7.2	14.1	2	10	24	4
Porsche 918 Spyder	3.6	6.8	2	5	12	4
Toyota Prius EV	3.3	4.4	1.5	3	11	4
Toyota Prius Prime EV	3.3	8.8	2.5	6.5	11	4
Volvo V60	3.3	11.2	3.5	8	11	4
Volvo XC90 T8	3.3	9.2	3	7	11	4

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