

EV Charging Times in Hours* – Battery Electric Vehicles



	Level 2 Onboard Charge Rate (kWh)	Battery Capacity (kWh)	Level 1 Charge Time in Hours (Assumes 12A)	Level 2 Charge Time (in Hours) at Full Acceptance Rate of EV - JuiceBox Pro 40	Level 2 Charge Time (in Hours) at Full Acceptance Rate of EV - JuiceBox Pro 75	Level 2 Charge Time (in Hours) at 32 Amps (40A breaker) for Cars with 7.4kW+ Onboard Charger	For Cars with 3.6kW+ Onboard Charger		
							Level 2 Charge Time (in Hours) at 24 Amps (30A Breaker)	Level 2 Charge Time (in Hours) at 16 Amps (20A Breaker)	Load Sharing Charge Time (in Hours) at 20A
Audi etron SUV	9.6	95	65	9		12			
BMW i3 2014-2016	7.2	22	15-18	3.5			4	5.75	4.5
BMW i3 2017 (60 Ah battery)	7.7	22	15-18	3.5			4	5.75	4.5
BMW i3 2017 (90 Ah battery)	7.7	33	24-28	4.5			5.5	8.5	6.75
BMW i3 2019 (120 Ah battery)	7.7	42	30-35	5.5			7	11	8.5
Chevy Bolt	7.7	60	48	8.5			10.5	15.5	12.5
Chevy Spark	3.3	19	13.5	5.5					
Fiat 500E	6.6	24	18	3.5			4.25	6.25	5
2011 - 2016 Ford Focus EV	6.6	23	18	4			4	6	5
2017 - 2018 Ford Focus EV	6.6	33	25	5			5.75	9	6.75
Honda Clarity BEV	7.2	25	18	3.8			4.5	6.5	5.5
Hyundai Ioniq	6.6	28	20	4.5			4.75	7.25	5.75
Hyundai Kona	7.0	64	53	9.1			11.1	16.7	13.3
2016 - 2017 Kia Soul	6.6	27	22	4.5			4.75	7	5.5
2018 - 2019 Kia Soul	6.6	30	25	5			5.5	8	6.5
Kia Niro EV	7.2	64	53	9.5			11	16.5	13.5
Mercedes Benz B Class B250e	9.6	28	20	3			4.75	7	5.5
Mitsubishi i-MiEV	3.3	16	11.5	5					
2011 - 2016 Nissan LEAF	3.3	24	18	7.5					
2013 - 2016 Nissan LEAF	6.6	24	18	4			4.25	6.25	5
2016 - 2017 Nissan LEAF	3.3	30	22	9.5					
2016 - 2017 Nissan LEAF	6.6	30	22	5			5	7.5	6.5
2018 - 2019 Nissan LEAF	6.6	40	33	7.5			7	10.5	8.5
2019 Nissan LEAF e-Plus	6.6	62	52	10			11	16.5	13
Smart Car	3.3	17.6	12.5	5.5					
Smart Fortwo ED 2017	7.2	17.6	12.5	2.5			3	4.75	3.75
Tesla Model 3 Long Range	11.5	75	50	7.5	6.5	10	15	22	17.75
Tesla Model 3 Standard	7.4	60	43	8.25			10.5	15.5	12.5
Tesla Model S 60 Single	10	60	43	6		8	10.5	15.5	12.5
Tesla Model S 70 Single	10	70	50	7		9.25	12.25	18.5	14.5
Tesla Model S 85 Single	10	85	61	8.5		11.25	15	22	17.75
Tesla Model S 90 Single	10	90	64	9		12	15.5	25	18.75
Tesla Model S 100 Single	10	100	72	10		13.25	17.25	27.75	21
Tesla Model S 60 Dual	18.8	60	43	6	3.25	8	10.5	15.5	12.5
Tesla Model S 70 Dual	18.8	70	50	7	3.9	9.25	12.25	18.5	14.5
Tesla Model S 85 Dual	18.8	85	61	8.5	4.75	11.25	15	22	17.75
Tesla Model S 90 Dual	18.8	90	64	9	5	12	15.5	25	18.75
Tesla Model S 100 Dual	18.8	100	72	10	5.5	13.25	17.25	27.75	21
Tesla Model X 60 Standard	11.5	60	43	6	5.25	8	10.5	15.5	12.5
Tesla Model X 75 Standard	11.5	75	50	7.5	6.5	10	15	22	17.75
Tesla Model X 90 Standard	11.5	90	64	9	7.75	12	15.5	25	18.75
Tesla Model X 100 Standard	11.5	100	72	10	8.5	13.25	17.25	27.75	21
Tesla Model X 60 Upgrade	17.2	60	43	6	3.5	8	10.5	15.5	12.5
Tesla Model X 75 Upgrade	17.2	75	50	7.5	4.25	10	15	22	17.75
Tesla Model X 90 Upgrade	17.2	90	64	9	5.25	12	15.5	25	18.75
Tesla Model X 100 Upgrade	17.2	100	72	10	5.75	13.25	17.25	27.75	21
Tesla Roadster (with CAN adapter)	17.2	56	42	5.5	3.25	8	10.25	15	12
Toyota Rav4	9.6	40	28.5	4		10	7	10.5	8.25
VW e-Golf Upgrade (3.6kW)	3.6	24.2	18	7					
VW e-Golf Upgrade (7.2kW)	7.2	24.2	18	3.5			4.25	6.25	5
2017 VW e-Golf	7.2	36	30	5			6.5	9.5	7.5
Zenith 350 Van	9.6	62.5	44	6.25		8	10.75	15.75	12.75
Zenith 350 Van Upgrade	18.8	62.5	44	6.25	3.45	8	10.75	15.75	12.75

*All rates and times will vary due to actual AC voltage fluctuations

EV Charging Times in Hours* – Plug-in Hybrid Vehicles



	Level 2 Onboard Charge Rate (kWh)	Battery Capacity (kWh)	Level 1 Charge Time in Hours (Assumes 12A)	Level 2 Charge Time (in Hours) at Full Acceptance Rate of EV - JuiceBox Pro 40	Level 2 Charge Time (in Hours) at Full Acceptance Rate of EV - JuiceBox Pro 75	Level 2 Charge Time (in Hours) at 32 Amps (40A breaker) for Cars with 7.4kW+ Onboard Charger	For Cars with 3.6kW+ Onboard Charger		
							Level 2 Charge Time (in Hours) at 24 Amps (30A Breaker)	Level 2 Charge Time (in Hours) at 16 Amps (20A Breaker)	Load Sharing Charge Time (in Hours) at 20A
Audi A3 E-Tron	3.3	8.8	6.25	2.75					
Audi Q7 E-Tron	7.2	17.3	12.25	2.25		3	4.75	3.5	
BMW 330e	3.6	7.6	5.5	2.25					
BMW 530e	3.6	9.2	6.5	2.5					
BMW 740e	3.6	9.2	6.5	2.5					
BMW i8 2014 - 2018	3.6	7.1	5	2					
BMW i8 2019 -	3.6	11.7	9	3.5					
BMW X5 xDrive-40	3.6	9	6.5	2.5					
Cadillac CT6	3.6	18.4	13	5.25					
Cadillac ELR	3.3	17	12.5	5.25					
2011 - 2015 Chevy Volt	3.3	16	13.5	5					
2016 - 2018 Chevy Volt	3.6	18.4	13	5					
2019 Chevy Volt	7.2	18.4	15	3					
Chrysler Pacifica	6.6	16	13	2		2.5	4	3.25	
Fisker Karma	3.3	20.1	14	6					
Ford C Max Energi	3.3	7.6	6	2.5					
2013 - 2018 Ford Fusion Energi	3.3	7.6	6	2.5					
2019 Ford Fusion Energi	3.3	9	6	3					
Honda Accord	6.6	7	5	1.25					
Honda Clarity PHEV	7.2	17.7	12.6	2.6					
Karma Revero	6.6	21.4	15.25	3.25		3.5	5.5	4.5	
Kia Optima	3.3	9.8	7	3					
Kia Niro PHEV	3.6	8	8	3					
Hyundai Sonata	3.3	9.8	7	3					
Mercedes C350 Hybrid	3.3	6	4.25	2					
Mercedes GLE 550e	3.3	8.8	6	2.5					
Mercedes S550 Hybrid	3.3	8.7	6	2.5					
MINI Cooper S E Countryman ALL4	3.3	8	5.75	2.5					
Mitsubishi Outlander	3.3	12	8.5	3.5					
Porsche Cayenne S E-Hybrid	3.6	10.8	7.75	3					
Porsche Panamera S E-Hybrid	3	9.4	6.75	3.25					
Porsche Panamera 4 E-Hybrid (all models)	7.2	14.1	10	2		2.5	4	3	
2012 - 2016 Toyota Prius PHEV	3.3	4.4	3	1.5					
2017 - 2019 Toyota Prius Prime	3.3	8.8	5.5	2.25					
VIA Motors Truck	17.3	23	16.5	2.5	1.25	4	6.25	4.75	
VIA Motors Van	17.3	23	16.5	2.5	1.25	4	6.25	4.75	
Volvo V60	3.3	11.2	8	3.5					
Volvo XC90 T8	3.3	9.2	6.5	2.75					

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Miles of Range per Charging Session Duration – BEV & PHEV

	Level 1 120V	Level 2 240V			DC Fast Charging
	12A/1.4kW	32A/7.4kW	40A/10kW	80A/19.2kW	50kW
10 minutes	1	4	5	10	25
30 minutes	3	11	15	29	75
1 hour	5	22	30	58	150
2 hours	10	45	58	115	290
4 hours	20	89	117	230	
6 hours	25	133	175	345	

*Mileage is approximate and can vary based on vehicle operating conditions.