

EV Charging Times – Battery Electric Vehicles



	Level 2 Onboard Charge Rate (kWh)	Battery Capacity (kWh)	Level 1 Onboard Charge Rate (kWh)	Level 1 Charge Time in Hours (Assumes 12A)	Level 2 Charge Time (in Hours) at Full Onboard Charge Rate of EV - JuiceBox Pro 40 or 75	Level 2 Charge Time (in Hours) at 32 Amps (40A breaker) for cars with 10kW+ 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
BMW i3 2014-2016	7.4	21.6	1.4	15-18	3.5		4	5.75	4.5
BMW i3 2017 (60 Ah battery)	7.4	21.6	1.4	15-18	3.5		4	5.75	4.5
BMW i3 2017 (90 Ah battery)	7.4	33	1.4	24	4.5		5.5	8.5	6.75
Chevy Bolt	7.2	60	1.4	43	8.3		10.5	15.5	12.5
Chevy Spark	3.3	19	1.4	13.5	5.5				
Coda	6.6	31	1.4	22	21		5.25	8.5	6.5
Fiat 500E	6.6	24	1.4	17.25	3.5		4.25	6.25	5
Ford Focus EV	6.6	23	1.4	16.5	3.5		4	6	5
2017 Ford Focus EV	6.6	33	1.4	23.5	4.5		5.75	9	6.75
Hyundai Ioniq	6.6	28	1.4	20	4.25		4.75	7.25	5.75
Kia Soul	6.6	27	1.4	19.25	4.25		4.75	7	5.5
Mercedes B Class B250e	3.3	28	1.4	20	2.75				
Mitsubishi i-MiEV	3.3	16	1.4	11.5	4.75				
Nissan Leaf (3.3kW)	3.3	24	1.4	17.25	7.25				
Nissan Leaf (6.6kW)	6.6	24	1.4	17.25	3.75		4.25	6.25	5
Nissan Leaf S (3.3kW)	3.3	30	1.4	21	9				
Nissan Leaf S (6.6kW)	6.6	30	1.4	21	21		5	7.5	6.25
Smart Car	3.3	17.6	1.4	12.5	5.25				
Smart Fortwo ED 2017	7.2	17.6	1.4	12.5	2.5		3	4.75	3.75
Tesla Model 3 Long Range	11.5	60	1.4	43	5.25	8	10.5	15.5	12.5
Tesla Model 3 Standard	7.4	60	1.4	43	8.25		10.5	15.5	12.5
Tesla Model S 60 Single	10	60	1.4	43	6	8	10.5	15.5	12.5
Tesla Model S 70 Single	10	70	1.4	50	7	9.25			
Tesla Model S 85 Single	10	85	1.4	61	8.5	11.25			
Tesla Model S 90 Single	10	90	1.4	64	9	12			
Tesla Model S 100 Single	10	100	1.4	72	10	13.25			
Tesla Model S 60 Dual	18.8	60	1.4	43	3.25	8	10.5	15.5	12.5
Tesla Model S 70 Dual	18.8	70	1.4	50	3.75	9.25	12.25	18.5	14.5
Tesla Model S 85 Dual	18.8	85	1.4	61	4.5	11.25	15	22	17.75
Tesla Model S 90 Dual	18.8	90	1.4	64	4.75	12	15.5	25	18.75
Tesla Model S 100 Dual	18.8	100	1.4	72	5.5	13.25	17.25	27.75	21
Tesla Model X 60 Standard	11.5	60	1.4	43	5.25	8	10.5	15.5	12.5
Tesla Model X 75 Standard	11.5	75	1.4	50	6.5	10	15	22	17.75
Tesla Model X 90 Standard	11.5	90	1.4	64	7.75	12	15.5	25	18.75
Tesla Model X 100 Standard	11.5	100	1.4	72	8.5	13.25	17.25	27.75	21
Tesla Model X 60 Upgrade	17.2	60	1.4	43	3.5	8	10.5	15.5	12.5
Tesla Model X 75 Upgrade	17.2	75	1.4	50	4.25	10	15	22	17.75
Tesla Model X 90 Upgrade	17.2	90	1.4	64	5.25	12	15.5	25	18.75
Tesla Model X 100 Upgrade	17.2	100	1.4	72	5.75	13.25	17.25	27.75	21
Tesla Roadster (with the CAN adapter)	17.2	56	1.4	42	3.25	8	10.25	15	12
Toyota Rav4	10	40	1.4	28.5	4	10	7	10.5	8.25
VW e-Golf Upgrade (3.6kW)	3.6	24.2	1.4	17.25	7				
VW e-Golf Upgrade (7.2kW)	7.2	24.2	1.4	17.25	3.5		4.25	6.25	5
Zenith 350 Van	10	62.5	1.4	44	6.25	8	10.75	15.75	12.75
Zenith 350 Van Upgrade	18.8	62.5	1.4	44	3.25	8	10.75	15.75	12.75

EV Charging Times – Plug-in Hybrid Vehicles



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Audi A3 E-Tron	3.3	8.8	1.4	6.25	2.75				
Audi Q7 E-Tron	7.2	17.3	1.4	12.25	2.25	3	4.75	3.5	
BMW 330e	3.6	7.6	1.4	5.5	2.25				
BMW 530e	3.6	9.2	1.4	6.5	2.5				
BMW 740e	3.6	9.2	1.4	6.5	2.5				
BMW i8	3.6	7.1	1.4	5	2				
BMW X5 xDrive-40	3.6	9	1.4	6.5	2.5				
Cadillac CT6	3.6	18.4	1.4	13	5.25				
Cadillac ELR	3.3	17	1.4	12.5	5.25				
Chevy Volt	3.3	19	1.4	13.5	5.75				
Chevy Volt 2016/2017	3.6	18.4	1.4	13	5				
Chrysler Pacifica	6.6	16	1.4	13	2	2.5	4	3.25	
Fisker Karma	3.3	20.1	1.4	14	6				
Ford C Max Energi	3.3	7.6	1.4	6	2.5				
Ford Fusion Energi	3.3	7.6	1.4	5	2.25				
Honda Accord	6.6	7	1.4	5	1.25				
Karma Revero	6.6	21.4	1.4	15.25	3.25	3.5	5.5	4.5	
Kia Optima	3.3	9.8	1.4	7	3				
Hyundai Sonata	3.3	9.8	1.4	7	3				
Mercedes C350 Hybrid	3.3	6	1.4	4.25	2				
Mercedes GLE 550e	3.3	8.8	1.4	6	2.5				
Mercedes S550 Hybrid	3.3	8.7	1.4	6	2.5				
MINI Cooper S E Countryman ALL4	3.3	8	1.4	5.75	2.5				
Mitsubishi Outlander	3.3	12	1.4	8.5	3.5				
Porsche Cayenne S E-Hybrid	3.6	10.8	1.4	7.75	3				
Porsche Panamera S E-Hybrid	3	9.4	1.4	6.75	3.25				
Porsche Panamera 4 E-Hybrid (all models)	7.2	14.1	1.4	10	2	2.5	4	3	
Toyota Prius EV	3.3	4	1.4	1	3				
Toyota Prius Prime EV	3.3	8.8	1.4	6.25	2.5				
VIA Motors Truck	17.3	23	1.4	16.5	1.25	4	6.25	4.75	
VIA Motors Van	17.3	23	1.4	16.5	1.25	4	6.25	4.75	
Volvo V60	3.3	11.2	1.4	8	3.5				
Volvo XC90 T8	3.3	9.2	1.4	6.5	2.75				

