

Know the potential usage and time vehicles spend at EV Charge location





# FiveAsh Water Treatment facility



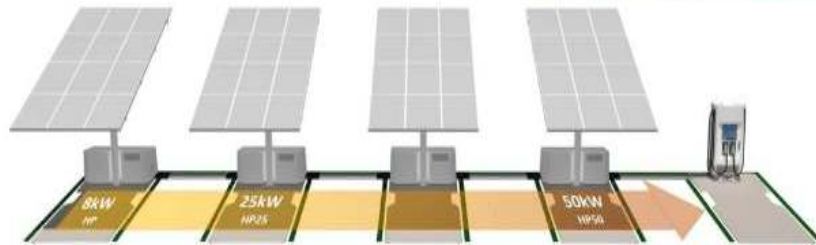
# Fort Lauderdale Parking Garages







# MODULAR



		EV ARC 4	EV ARC HP	EV ARC HP25	EV ARC HP50
Max DCFC Rate	kW (mi/hr)	-	-	25 (100)	50 (200)
HP ARCs Required	-	-	1	2	4
Total PV Power	kW	4.3	4.3	8.6	17.2
Total Battery Storage	kWh	23	38	77	154
Max Daily PV Energy	kWh	31	31	66	134
Max Daily Range (PV + Battery)	miles	192	235	482	981
Required Linear Spaces	-	1	1	3	9
Level 2 Chargers <sup>1</sup>	-	1	1	2 <sup>2</sup>	4 <sup>2</sup>
Daisy Chainable	-	No	Yes	Yes	No
Off Grid	-	Yes	Yes	Yes	Yes
<b>Upgrades &amp; Options</b>					
Additional Battery Storage	kWh	23	23	46 <sup>3</sup>	92 <sup>3</sup>
Additional HP EV ARC™ Stations	-	-	-	Unlimited	2 <sup>4</sup>
Grid Buffered <sup>5</sup>	-	Yes	Yes	Yes	Yes

#### REFERENCES:

<sup>1</sup> 40A Level 2 (HP only)

<sup>2</sup> Derated output once DCFC installed

<sup>3</sup> Battery upgrade must be done to all stations in chain - up to 23kWh per station

<sup>4</sup> Additional HP stations must match existing station specs

<sup>5</sup> 208VAC utility input at programmable rates for added reliability in poor weather conditions









# ESTIMATED CHARGE TIMES CHART FOR (Pure) ELECTRIC VEHICLES

VEHICLE	ACCEPTANCE RATE (kW)	BATTERY SIZE (kWh)	LEVEL 1 ACS-15 1.4 kW	LEVEL 1 PCS-15 1.4kW	LEVEL 2 LCS-20 3.8kW	LEVEL 2 LCS-25 4.8kW	LEVEL 2 LCS-30 5.8kW	LEVEL 2 HCS-40 7.7kW	LEVEL 2 HCS-50 9.6kW	LEVEL 2 HCS-60 11.5kW	LEVEL 2 HCS-80 15.4kW
Audi e-tron SUV	9.6	95	68	68	25	20	16.5	12.5	10	10	10
BMW ActiveE	7	32	23	23	8.5	6.5	5.5	4.5	4.5	4.5	4.5
BMW i3 2014-2016	7.4	23	16.5	16.5	6	5	4	3	3	3	3
BMW i3 2017 (60 Ah battery)	7.4	23	16.5	16.5	6	5	4	3	3	3	3
BMW i3 2017 (90 Ah battery)	7.4	32	23	23	8.5	6.5	5.5	4.5	4.5	4.5	4.5
Chevy Bolt	7.2	60	43	43	16	12.5	10.5	8.5	8.5	8.5	8.5
Chevy Spark	3.3	23	16.5	16.5	7	7	7	7	7	7	7
Coda	6.6	31	22	22	8	6.5	5.5	4.5	4.5	4.5	4.5
Fiat 500E	6.6	24	17	17	6.5	5	4	3.5	3.5	3.5	3.5
Ford Focus EV	6.6	23	16.5	16.5	6	5	4	3.5	3.5	3.5	3.5
Ford Focus EV 2017-2018	6.6	33.5	24	24	9	7	6	5	5	5	5
Honda Clarity EV	6.6	25.5	18	18	6.5	5.5	4.5	4	4	4	4
Hyundai Ioniq	6.6	28	20	20	7.5	6	5	4	4	4	4
Hyundai Kona	7.2	64	45.5	45.5	17	13.5	11	9	9	9	9
Kia Niro	7.2	64	45.5	45.5	17	13.5	11	9	9	9	9
Kia Soul	6.6	27	19.5	19.5	7	5.5	4.5	4	4	4	4
Kia Soul 2019	7.2	64	45.5	45.5	17	13.5	11	9	9	9	9
Jaguar I-Pace	7	90	64.5	64.5	23.5	19	15.5	13	13	13	13
Mercedes B Class B250e	9.6	28	20	20	7.5	6	5	3.5	3	3	3
Mitsubishi i-MiEV	3.3	16	11.5	11.5	5	5	5	5	5	5	5
Nissan Leaf 2011-12 <small>(3.3kW onboard charger, S, SL &amp; SV Model)</small>	3.3	24	17	17	7.5	7.5	7.5	7.5	7.5	7.5	7.5
Nissan Leaf 2013-16 S <small>(3.3 onboard charger)</small>	3.3	24	17	17	7.5	7.5	7.5	7.5	7.5	7.5	7.5
Nissan Leaf S 2013-15 <small>(5.6kW onboard charger, S Upgrade, SL &amp; SV Model)</small>	6.6	24	17	17	6.5	5	4	3.5	3.5	3.5	3.5
Nissan Leaf S 2016 <small>(5.6kW onboard charger, S Upgrade)</small>	6.6	24	17	17	6.5	5	4	3.5	3.5	3.5	3.5
Nissan Leaf S 2016 <small>(6.6kW onboard charger, SL &amp; SV Model)</small>	6.6	30	21.5	21.5	8	6.5	5	4.5	4.5	4.5	4.5
Nissan Leaf 2017 <small>(3.3kW onboard charger, S Model)</small>	3.3	30	21.5	21.5	9	9	9	9	9	9	9
Nissan Leaf 2017 <small>(5.6kW onboard charger, S Upgrade, SL &amp; SV Model)</small>	6.6	30	21.5	21.5	8	6.5	5	4.5	4.5	4.5	4.5
Nissan Leaf 2018-19	6.6	40	28.5	28.5	10.5	8.5	7	6	6	6	6
Nissan Leaf Plus 2019	6.6	62	44.5	44.5	16.5	13	10.5	9.5	9.5	9.5	9.5