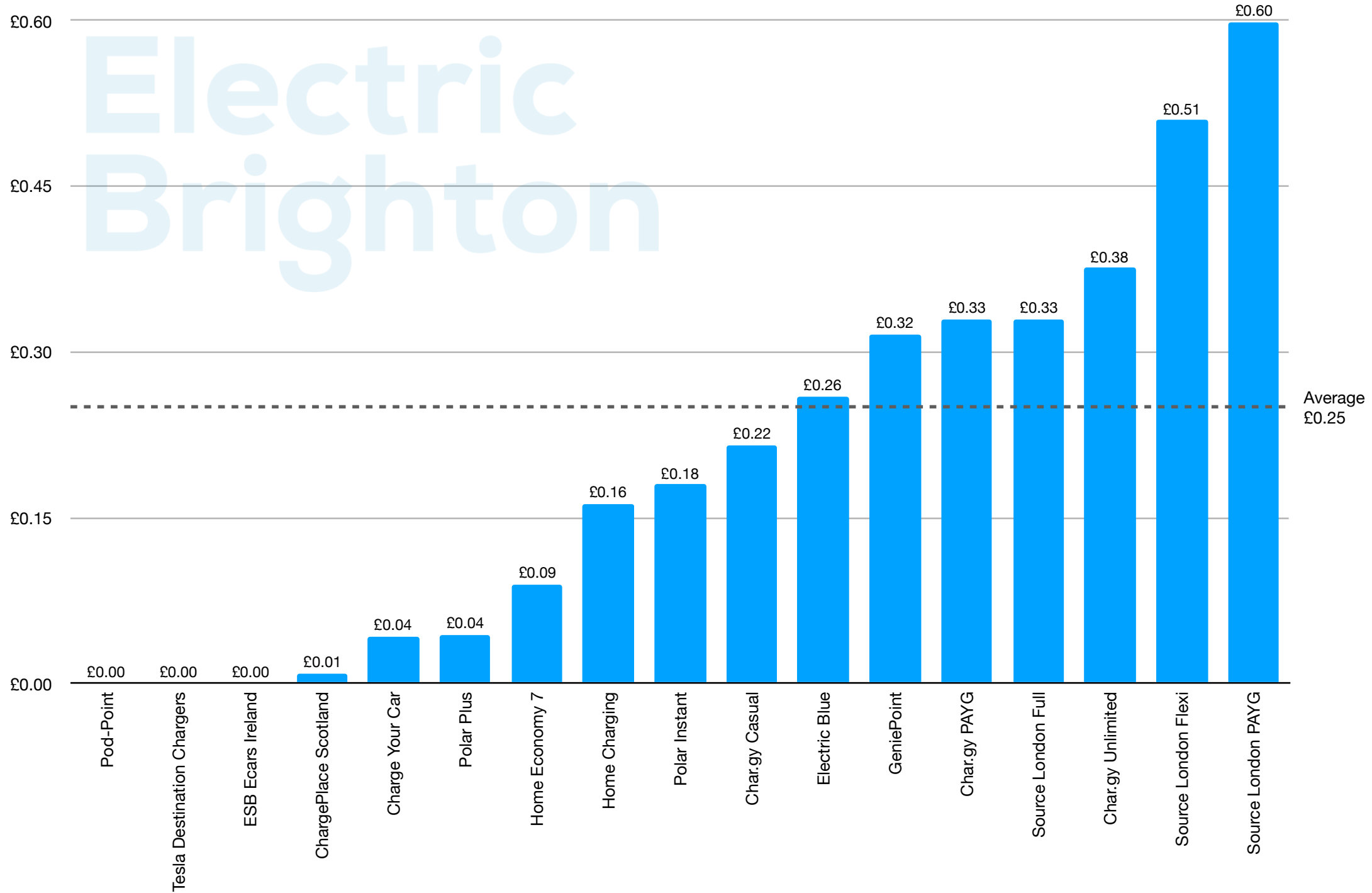


7kW Charger Networks

	Info	Notes	Monthly or equivalent monthly cost	Connection cost per charge	Stated cost per kWh	Cost per kWh or effective cost per kWh for 633 miles / 181kW	Cost per month for the average UK mileage of 633 miles
Petrol							£89.25
Diesel							£69.63
Pod-Point			£0.00	£0.00	£0.00	£0.00	£0.00
Tesla Destination Chargers			£0.00	£0.00	£0.00	£0.00	£0.00
ESB Ecars Ireland		Free network for Republic of Ireland	£0.00	£0.00	£0.00	£0.00	£0.00
ChargePlace Scotland		Annual membership of £20.	£1.67	£0.00	£0.00	£0.01	£1.67
Charge Your Car		Annual membership of £20 with free charging at 7kW chargers. £1 connection fee	£1.67	£1.00	£0.00	£0.04	£7.67
Polar Plus		Monthly membership with free charging at 7kW chargers.	£7.85	£0.00	£0.00	£0.04	£7.85
Home Economy 7		Based on UK average of £0.0900p per kWh.			£0.09	£0.09	£16.28
Home Charging		Based on UK average of £0.1630p per kWh.			£0.16	£0.16	£29.48
Polar Instant					£0.18	£0.18	£32.55
Char.gy Casual			£38.99	£0.00	£0.00	£0.22	£38.99
Electric Blue			£0.00	£0.00	£0.26	£0.26	£47.02
GeniePoint	https://evsolutions.engie.com		£0.00	£0.50	£0.30	£0.32	£57.26
Char.gy PAYG			£0.00	£0.00	£0.33	£0.33	£59.68
Source London Full	https://www.sourcelondon.com	Cost is time based, 3.6p per minute. To charge 80% of 40kWh battery @7kW charger would take 4.57hours or 274 minutes. Hence cost would be £9.86 per 32kWh charge session or £0.308 per kWh. Plus monthly cost.	£4.00	£0.00	£0.31	£0.33	£59.70
Char.gy Unlimited			£68.00	£0.00	£0.00	£0.38	£68.00
Source London Flexi	https://www.sourcelondon.com	£10 one off fee included as annual cost, divided by 12 months. Cost is time based, 5.9p per minute. To charge 80% of 40kWh battery @7kW charger would take 4.57hours or 274 minutes. Hence cost would be £16.16 per 32kWh charge session or £0.505 per kWh. Plus monthly cost.	£0.83	£0.00	£0.51	£0.51	£92.17
Source London PAYG	https://www.sourcelondon.com	Cost is time based, 7p per minute. To charge 80% of 40kWh battery @7kW charger would take 4.57hours or 274 minutes. Hence cost would be £19.18 per 32kWh charge session or £0.599 per kWh. Plus monthly cost.	£0.00	£0.00	£0.60	£0.60	£108.33
Averages		Not including free networks				£0.25	£44.76

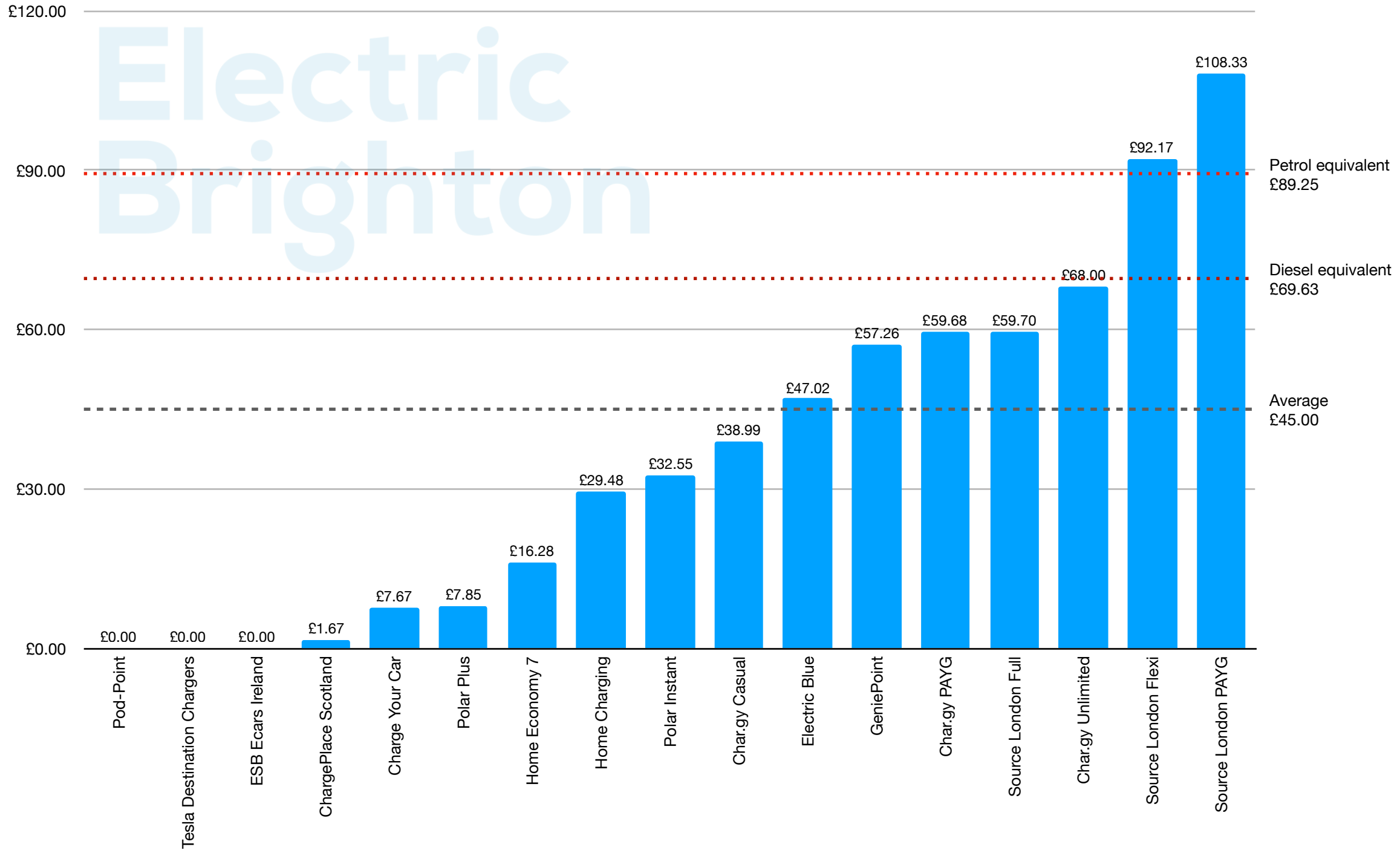
7kW "Fast" Chargers cost per kWh - January 2020

■ Cost per kWh or effective cost per kWh for 633 miles / 181kW



7kW "Fast" Chargers - Cost to travel average monthly mileage - January 2020

■ Cost per month for the average UK mileage of 633 miles

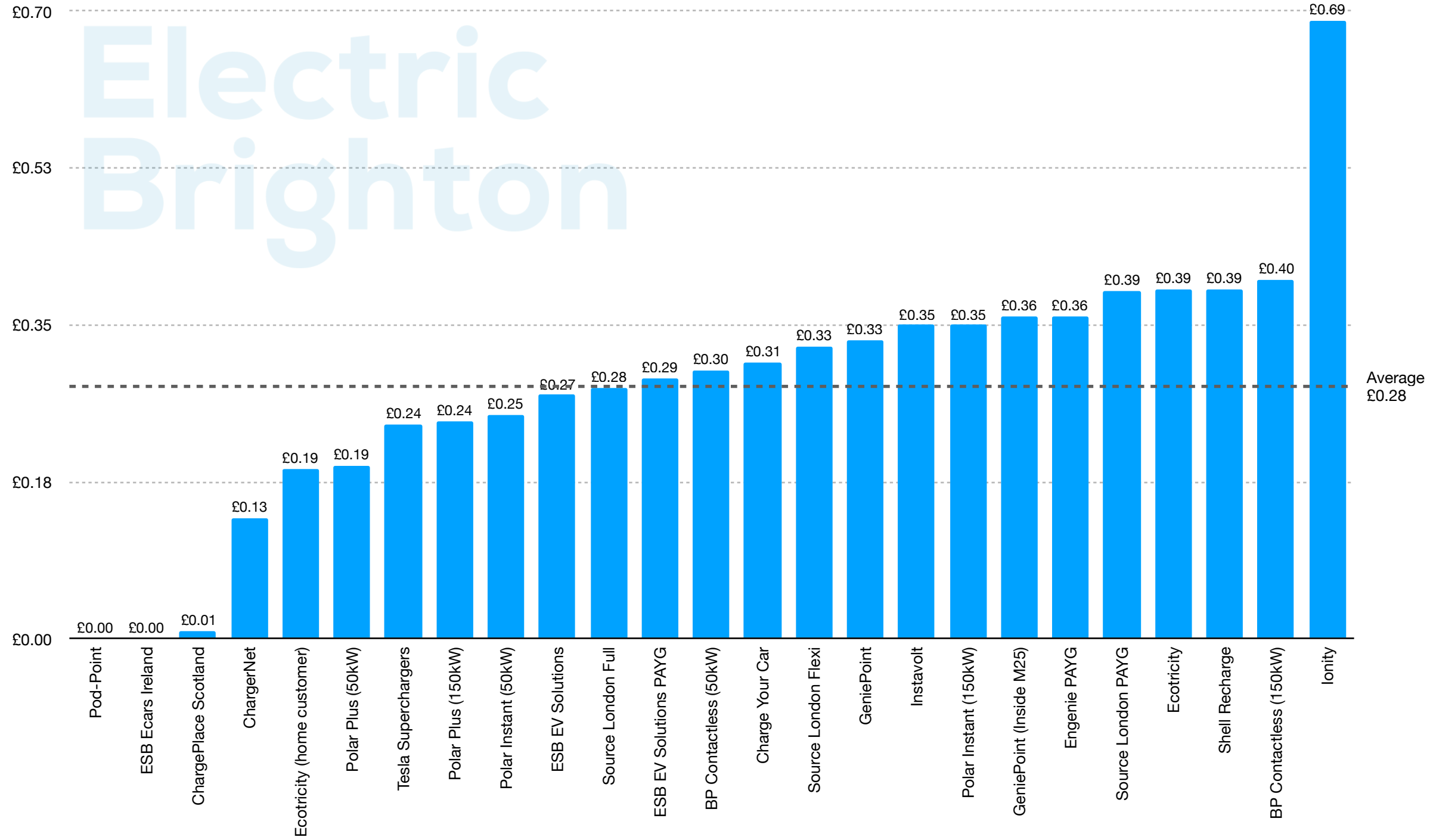


Rapid Charger Networks

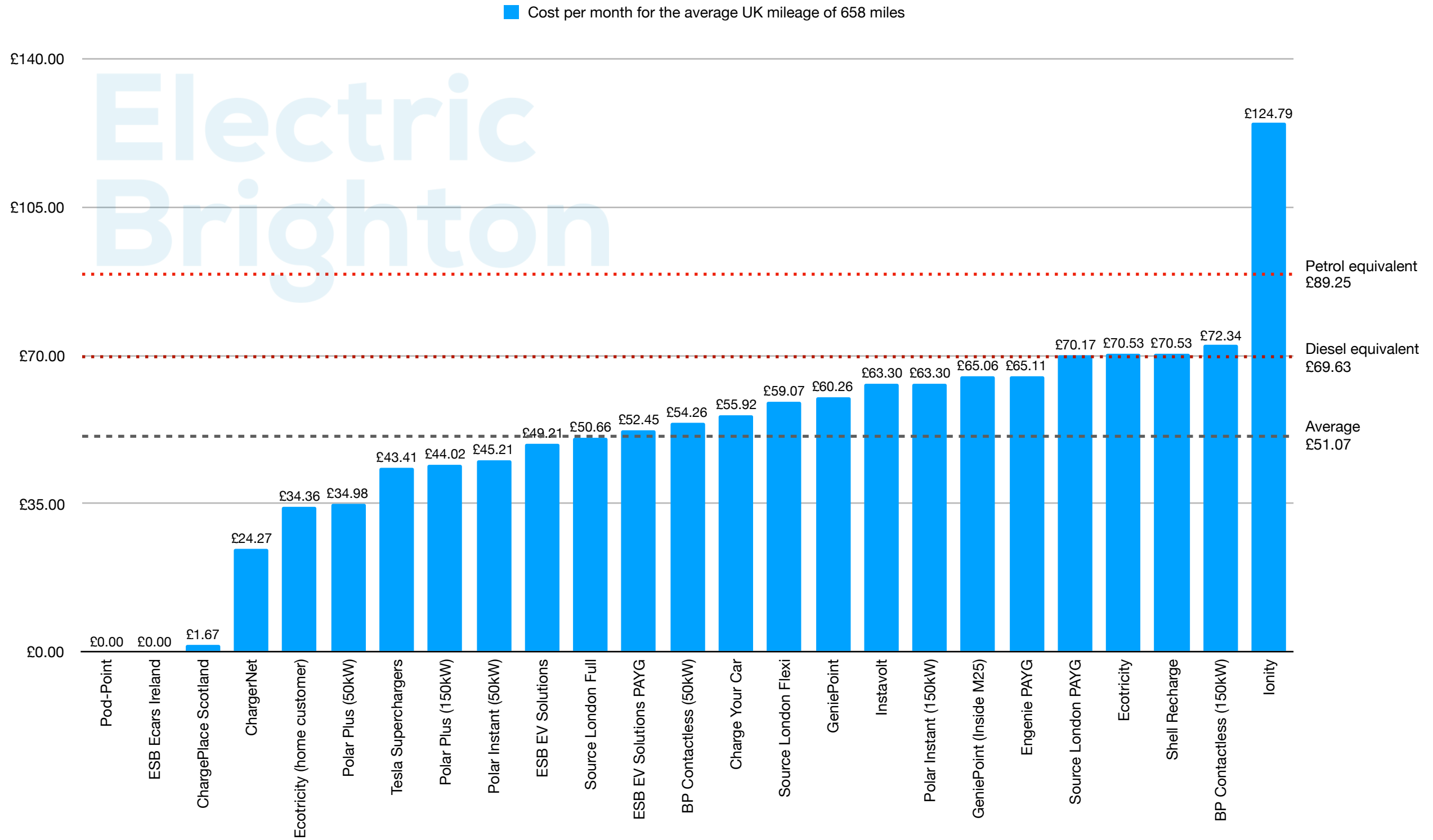
	Info	Notes	Monthly or equivalent monthly cost	Connection cost per charge	Stated cost per kWh	Cost per kWh or effective cost per kWh for 633 miles / 181kWh	Cost per month for the average UK mileage of 633 miles
Petrol							£89.25
Diesel							£69.63
Pod-Point		The majority of Pod-Point rapids are free. Some do charge however.	£0.00	£0.00	£0.00	£0.00	£0.00
ESB Ecars Ireland		Free network for Republic of Ireland	£0.00	£0.00	£0.00	£0.00	£0.00
ChargePlace Scotland		Annual membership of £20.	£1.67	£0.00	£0.00	£0.01	£1.67
ChargerNet	https://www.poole.gov.uk/streets-a	£20 annual fee. £4 per hour. To charge 80% of 40kWh battery @50kW charger would take 0.64hours or 38 minutes. Hence cost would be £4 per 32kWh charge session or £0.125 per kWh.	£1.67	£0.00	£0.13	£0.13	£24.27
Ecotricity (home customer)	https://www.ecotricity.co.uk/for-the		£0.00	£0.00	£0.19	£0.19	£34.36
Polar Plus (50kW)	https://polar-network.com/pricing/	Monthly membership. Prices at Rapids vary.	£7.85	£0.00	£0.15	£0.19	£34.98
Tesla Superchargers	https://www.tesla.com/en_GB/sup		£0.00	£0.00	£0.24	£0.24	£43.41
Polar Plus (150kW)	https://polar-network.com/pricing/	Monthly membership. Prices at Rapids vary.	£7.85	£0.00	£0.20	£0.24	£44.02
Polar Instant (50kW)	https://bpchargemaster.com/polar-		£0.00	£0.00	£0.25	£0.25	£45.21
ESB EV Solutions			£4.00	£0.00	£0.25	£0.27	£49.21
Source London Full	https://www.sourcelondon.net/rate	Cost is time based, 9.5p per minute. To charge 80% of 40kWh battery 22kW charger would take 1.45hours or 87 minutes. Hence cost would be £8.26 per 32kWh charge session or £0.258 per kWh. Plus monthly cost.	£4.00	£0.00	£0.26	£0.28	£50.66
ESB EV Solutions PAYG	https://www.esb-evsolutions.co.uk		£0.00	£0.00	£0.29	£0.29	£52.45
BP Contactless (50kW)	https://bpchargemaster.com/polar-		£0.00	£0.00	£0.30	£0.30	£54.26
Charge Your Car	https://m.chargeyourcar.org.uk/che	Annual membership of £20. Prices vary between locations. Crawley used as example.	£1.67	£0.00	£0.30	£0.31	£55.92
Source London Flexi	https://www.sourcelondon.net/rate	Cost is time based, 11.9p per minute. To charge 80% of 40kWh battery 22kW charger would take 1.45hours or 87 minutes. Hence cost would be £10.35 per 32kWh charge session or £0.322 per kWh. Plus monthly cost of £10 per year.	£0.83	£0.00	£0.32	£0.33	£59.07
GeniePoint	https://evsolutions.engie.co.uk/driv		£0.00	£1.00	£0.30	£0.33	£60.26
Instavolt	https://instavolt.co.uk/rates/		£0.00	£0.00	£0.35	£0.35	£63.30
Polar Instant (150kW)	https://bpchargemaster.com/polar-		£0.00	£0.00	£0.35	£0.35	£63.30
GeniePoint (Inside M25)	https://evsolutions.engie.co.uk/driv		£0.00	£1.80	£0.30	£0.36	£65.06
Engenie PAYG	https://engenie.co.uk/ev-drivers/		£0.00	£0.00	£0.36	£0.36	£65.11
Source London PAYG	https://www.sourcelondon.net/rate	Cost is time based, 14.3p per minute. To charge 80% of 40kWh battery 22kW charger would take 1.45hours or 87 minutes. Hence cost would be £12.44 per 32kWh charge session or £0.388 per kWh. Plus monthly cost.	£0.00	£0.00	£0.39	£0.39	£70.17
Ecotricity	https://www.ecotricity.co.uk/for-the		£0.00	£0.00	£0.39	£0.39	£70.53
Shell Recharge	https://support.shell.com/hc/en-gb		£0.00	£0.00	£0.39	£0.39	£70.53
BP Contactless (150kW)	https://bpchargemaster.com/polar-		£0.00	£0.00	£0.40	£0.40	£72.34
Ionity	https://ionity.eu/en/where-and-how		£0.00	£0.00	£0.69	£0.69	£124.79
Average		Not including free networks				£0.31	£55.43

Rapid Chargers cost per kWh - January 2020

■ Cost per kWh or effective cost per kWh for 633 miles / 181kWh



Rapid Chargers - Cost to travel average monthly mileage - January 2020



Settings

		Notes
Average monthly mileage	633	Taken from: https://www.racfoundation.org/motoring-faqs/mobility#a24
Average home UK electricity per kWh E7	£0.0900	Taken from: https://www.gov.uk/government/statistical-data-sets/annual-domestic-energy-price-statistics (sheet 2.2.4)
Average home UK electricity per kWh	£0.1630	Taken from: https://www.gov.uk/government/statistical-data-sets/annual-domestic-energy-price-statistics (sheet 2.2.4)
UK Advisory fuel rate cost per mile (1401 to 2000 CC Petrol)	£0.1410	Taken from: https://www.gov.uk/government/publications/advisory-fuel-rates/how-advisory-fuel-rates-are-calculated
UK Advisory fuel rate cost per mile (1601 to 2000 CC Diesel)	£0.1100	Taken from: https://www.gov.uk/government/publications/advisory-fuel-rates/how-advisory-fuel-rates-are-calculated
Average miles per kW	3.5	
Car battery size (kWh)	40	
Charge amount	80%	
kW of energy needed per month	181	
Number of chargers required for mileage	6	