

MX5 EV CONVERSION



SPECIFICATION

Vehicle:	2003 Mazda MX5 (NB)	
Motor:	HPEVS AC35x2	
Controller:	Curtis 1239R (x 2)	
Batteries:	50 cells CALB CA100AHA LiFePO4	160V x 100Ah (16kWhr)
Charger:	Brusa NLG511	
BMS:	None, bottom balance only	
Charge Port:	J1772 in fuel cap, additional 10A-240v plug in trunk for 'opportunity' charging	
Heating:	MES-DEA RM4 hot water heater	
Power Steering:	Toyota MR2 electro-hydraulic pump	
Range:	~100 km @ 90% depth of discharge	

	Electric	Original
Power	130 kW @ 5000 rpm	109 kW @ 5000 rpm
Torque	240 Nm (0-5000rpm)	168 Nm @ 5000 rpm
Weight	1140 kg (estimated)	1087 kg
Power / Weight	(114 kW/T)	(100 kW/T)