

Item No.	Description
1	Battery Type (Lithium Ion etc)
2	Battery Manufacturer
3	Battery Capacity full charge (KWhr)
4	Battery pack size for one unit (L X W X H) (mm)
5	Battery pack mass for one unit (kg)
6	Number of packs per bus
7	Location of battery packs (floor, roof etc – include numbers)
8	Total mass of batteries in bus
9	Time to replace one pack (hours)
10	Battery cooling arrangement (air non-fan, fan cooled, liquid cooled etc)
11	Battery warranty (years and charge cycles)
12	Expected Battery Life (years and charge cycles)
13	Battery capacity degradation (expected % for each year of expected life)
14	Battery pack degradation limit for warranty (eg 75% over warranty period) Include information on replacement approach
15	Battery / drive fire protection system offered
16	Certification standard of fire protection
17	Details of fire protection barriers to passenger space from high risk items
18	Copies of risk assessments for relevant risks including: collision; battery penetration, overheating etc.)
19	Charge rates (fast and slow) (Amps)
20	Charge rates (fast and slow) (Hours)
21	Air conditioning details, type, manufacturer, capacity etc)
22	Does air conditioning have pre heat /cool function?
23	Driveline arrangement (Single drive via diff or hub motors)
24	Control system details
25	Details of operator access to data and what data is available for maintenance and management.
26	Electric bus support and spare parts
27	Range for max speed 85km/hr (km)
28	Range for max speed 100km/hr (km)
29	Heavy operations (with AC operating) energy consumption (kWhr)
30	Price of a replacement battery pack.

31	For cable charging of the buses, TfNSW has a preference for systems that ensure reliability and compatibility across bus brands and charging systems and supports the recently developed CEN-CENELEC, ISO/IEC standards for bus charging. Please provide details and prices of a cable charging system for the bus and any options for supply. Please indicate if the system provided is compatible with other brands of bus.
32	For opportunity charging of the buses, TfNSW also has a preference for systems that ensure reliability and compatibility across bus brands and charging systems and supports the recently developed CEN-CENELEC, ISO/IEC standards for bus charging. Note that opportunity charging systems include wireless communications, plates and equipment that automatically contact vehicles with a pantograph. Please provide details and prices of an opportunity charging system for the bus and any options for supply. Please indicate if the system provided is compatible with other brands of bus.