**KOKAM ELECTRIC VEHICLE**

**REQUIREMENT FORM**

1. **General Customer Information**

|  |  |  |  |
| --- | --- | --- | --- |
| Date |  | Contact Name |  |
| Company Name |  | Job Title |  |
| Company Location (Country / City) |  | Cell Phone |  |
| Telephone |  |
| Website |  | E-mail |  |

1. **Applications**

|  |
| --- |
| **Please select appropriate applications (multiple choices applicable)** |
|   |

1. **Product Category**

|  |
| --- |
| **Please select appropriate applications (multiple choices applicable)** |
| [ ]  Complete Battery System (please fill in Chapter 6)[ ]  Cell (please fill in Chapter 9) |

1. **General Description**

|  |  |
| --- | --- |
| **Category** | **Please Provide All the Information regarding the project** |
| Project Name |  |
| Description of project |  |
| End User |  |
| Required Certification / Standard |  |

1. **Shipping**

|  |
| --- |
| **Sample Order** |
| Vehicle Quantity |  |
| Desired Delivery Date (Y/M/D) |  |
| **Production Order** |
| Vehicle Quantity |  |
| Desired Delivery Date \_(Y/M/D) |  |
| **Forecasted Annual Volume(Vehicle) for 3 yrs.** |
| Year 2021 (EA) |  | Year 2022 (EA) |  | Year 2023 (EA) |  |

1. **Technical Requirement (for complete battery system)**
	1. **Battery System Requirements**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| * Energy Required
 |  | kWh |  |  |
| * Battery Cycles per day (#)
 |  | @DOD |  | % |
| * Expected Battery Lifetime
 |  | Years |  |  |
| * Application's Definition

of End of Life |  | %  |  |  |
| * 1. **Battery System Voltage**
 |  |  |  |  |
| * Minimum Pack Voltage
 |  | VDC |  |  |
| * Nominal Pack Voltage
 |  | VDC |  |  |
| * Maximum Pack Voltage
 |  | VDC |  |  |
| * 1. **Discharge rate**
 |  |  |  |  |
| * Continuous Power / Duration
 |  | kW |  | Min | Maximum power of the system, expressed as kW/MW along with the maximum duration the unit can operate at required condition |
| * Peak Discharge Power / Duration
 |  | kW |  | Sec |
| * Frequency of Peak Usage
 |  | i.e.) 1day (Mean Period) |
| * Discharging Efficency
 |  | % |
| * 1. **Charge rate**
 |  |  |
| * Continuous Power / Duration
 |  | kW |  | Min | Maximum power of the system, expressed as kW/MW along with the maximum duration the unit can operate at required condition |
| * Peak Charge Power / Duration
 |  | kW |  | Sec |
| * Frequency of Peak Usage
 |  | i.e.) 6 hours (Mean Period) |
| * Charging Efficiency
 |  | % |
| * Charging Strategy
 |  |
|  |  |

1. **ESS System Operating Environment Information**

|  |  |  |
| --- | --- | --- |
| * Operating Temperature Range
 |  | °C |
| * Storage Temperature Range
 |  | °C |
| * Information of the expected installation environment (As specific as possible)

Ex) Underground, Weatherproofing, Temperature(Cooling) |  |  |

1. **Other Specification**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| * Expected

MaximumMechanical Requirements | Dimension |  |  | (mm) | Length |
|  | (mm) | Width |
|  | (mm) | Height |
| Weight |  | (kg) |
| * IP Rating
 |  |   |
| * Load Profile
 | If available, please provide a typical load profile in a separate document |

1. **Technical Requirement (for Cell)**
	1. **Cell Requirements**

|  |  |  |
| --- | --- | --- |
| * Cell Model / Type
 |  |  Capacity and Chemistry |
| * Cell Capacity
 |  |  Ah |
| * Required number of cycles

@ C-Rate and DoD |  |  Cycles at DoD |  |  (i.e. 1C/1C) |
| * Application's Definition at End of Life
 |  |  % |
|  |
| * 1. **Discharge rate**
 |
| * Continuous C-Rate
 |  |  |  |
| * Peak C-Rate
 |  |  |
| * Frequency of Peak Usage
 |  |  |
|  |
| * 1. **Charge rate**
 |  |  |
| * Continuous C-rate
 |  |  |  |  minutes |
| * Peak C-Rate
 |  |  |  |  seconds |
| * Frequency of Peak Usage
 |  |  |
| * Charging Strategy
 |  |
|  |  |

1. **Cell Operating Environment Information**

|  |  |  |
| --- | --- | --- |
| * Operating Temperature Range
 |  | °C |
| * Storage Temperature Range
 |  | °C |