**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   Maximum  Mechanical  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 |