**KOKAM ENERGY STORAGE SYSTEM**

**REQUIREMENT FORM**

1. **General Customer Information**

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

1. **General Project Description**

|  |  |  |
| --- | --- | --- |
| **No** | **Item** | **Description** |
| 1 | Project Name |  |
| 2 | End User |  |
| 3 | Location (Installation Site Address) |  |
| 4 | Scope of Works |  |
| 5 | Target Delivery Date (YY/MM/DD) |  |
| 6 | Target Completion Date (YY/MM/DD) |  |
| 7 | Required Certification / Standard |  |
| 8 | Other information  |  |

1. **Commercial Requirement**

|  |  |  |
| --- | --- | --- |
| **No** | **Item** | **Description** |
| 1 | Project Budget |  |
| 2 | Estimated Quantity of Order |  |
| 3 | Warranty Terms  |  |
| 4 | Incoterms (Ex-works, CIF, DAP, etc.)  |  |

|  |
| --- |
| **Forecasted Annual Volume for 3 yrs.** |
| Year 2021 (EA) |  | Year 2022 (EA) |  | Year 2023 (EA) |  |

1. **Application**

|  |
| --- |
| **Select Applications (multiple choices applicable)** |
|   |

1. **Technical Requirement**
	1. **Grid Requirements**

|  |
| --- |
| **Grid type** |
| Grid Options |  |
| Select appropriate types |     |  VAC  |
|  Hz  |

* 1. **System Requirements**

|  |  |  |
| --- | --- | --- |
| * Rated Energy
 |  | kWh |
| * Required # of Cycles
 |  | @ DOD  |  | % |
| * Calendar Life
 |  | Years |
| * Application's Definition

of End of Life |  | % |
| * + 1. **Battery System**
			1. **System Voltage**
 |
| * Maximum System Voltage
 |  | VDC |  |
| * + Minimum System 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 Usage
 |  | i.e.) 1 day (Mean period) |
| * Rest time in between Usage
 |  | i.e.) 12 hours  |
| * + - 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 Usage
 |  | Ex) 6 hours (Mean period) |
| * Rest time in between Usage
 |  | Ex) 12 hours |

* + 1. **PCS (Power Conditioning System)**

|  |  |  |
| --- | --- | --- |
| * AC Output Power
 |  | kVA/kW |
| * Max. AC Output Current
 |  | A |
| * Overload Capacity
 |  | % |
| * Operating Grid Voltage
 |  | VAC |
| * Operating Grid Frequency
 |  | Hz |
| * Power factor
 |  |  |
| * Efficiency
 |  | % |

* 1. **Environmental & Operational Conditions**

|  |  |  |
| --- | --- | --- |
| * Installation Environment
 |  | Indoor / Outdoor |
| * Ancillary System
 |  | List requirements (HVAC, Fire Suppression, etc.) |
| * Operating Temperature Range
 |  | °C |
| * Battery Run(Charge & Discharge) time
 |  | Hours per day |
| * Information of the expected installation environment

(As specific as possible)Ex) Underground, Weatherproofing, etc. |  |

* 1. **Other Specification**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| * Expected Maximum Mechanical Requirements
 | Dimensions |  |  | (m) | Length |
|  |  | (m) | Width |
|  |  | (m) | Height |
| Weight |  |  | (kg) | Weight |
| * Any other operational, environmental considerations
 |  |  |