

ENERGY STORAGE SYSTEM REQUIREMENT FORM

Please fill in shaded area

Applications

Select appropriate applications (multiple choices applicable)

- Frequency Regulation
 Peak Shaving
 Load Labeling
 Renewable Value Enhancement
 T & D
 Arbitrage
 Spinning Reserve
 Utility Support
 UPS
 Etc.

A. General Description

Category	Please Provide All the Information regarding the project
Project Name	
Description of project	
End User	
Target Pricing	
Required Certification / Standard	

B. Systematic Requirements

Grid type		
Grid Options	<input type="checkbox"/> Grid Tied <input type="checkbox"/> Off Grid <input type="checkbox"/> Hybrid	
Select appropriate types	<input type="checkbox"/> 3 Phases <input type="checkbox"/> Single Phase	VAC
	<input type="checkbox"/> 3 lines <input type="checkbox"/> 4 lines	Hz

C. Energy Storage System Requirements

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

Battery System Voltage

- Maximum Pack Voltage VDC
- Minimum Pack Voltage VDC

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 Ex) 1 day (Mean period)

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 Ex) 6 hours (Mean period)

D. PCS Requirements - PCS (Bi-directional Inverter) specification

- Nominal Power kW MW (Please select the parameter)
- AC Voltage VAC
- VA Maximum kVA
- Frequency Hz

E. Environmental Information - System Operating Environment Info.

- Installation Environment Indoor / Outdoor
- Ancillary System List requirements (HVAC, FFS, 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.

F. Other Specification

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

G. Shipping

Please Provide All the information regarding shipment					
Estimated Quantity of Order_(EA)					
Desired Delivery Date_(Y/M/D)					
Delivery Terms			EWX		
Estimated Annual Volume					
Year 2019 (EA)	<input type="text"/>	Year 2020 (EA)	<input type="text"/>	Year 2021(EA)	<input type="text"/>