



BESS Minimum Requirements Form

COMPANY		DATE	
CODE		REV.	

1. OBJECTIVE

The objective of the present form is to compile all necessary information about the Battery Energy Storage System (BESS) project to quote, so that the products and services offered meet the client's requirements.

2. OFFERED SCOPE

This is an initial version of the template to be fulfilled in order to facilitate the correct dimensioning of BESS. Ingeteam offers complete customized solutions. Please, mark your desired scope of supply from Ingeteam:

Power transformer.	Control & Protection Systems (incl. Energy Management System, etc).
Energy metering system.	Auxiliary Power Equipment.
AC Switchgear.	Cooling/Air Conditioning.
Grid side filters.	Fire Detection System.
Power converter.	Safety System.
DC Switchgear.	Housing
Batteries.	
Battery Management Systems (BMS).	

If you do not wish to or cannot use the send button at the end of the form, feel free to save the completed form and send it attached via e-mail to solar.energy@ingeteam.com



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3. MINIMUM REQUIRED INFORMATION FOR BATTERY'S APPLICATIONS

BESS data capture

01.	Project name	
	Delivery date (dd-mm-yyyy)	
	Estimated commissioning date (dd-mm-yyyy)	
02.	Location of installation (exact address or GPS coordinates if possible)	
03.	Energy rating of batteries (kWh)	
04.	Beginning of Life (BOL)	
05.	Active power rating of power conversion system (kW)	
06.	Reactive power rating of power conversion system (kVAR)	
07.	Apparent power rating of power conversion system (kVA)	
08.	Power Factor	
09.	Final customer	
10.	Direct customer	
11.	Customer contact	
	Name	
	Position	
	Address	
	Phone	
	e-mail	
	website	
12.	Grid/utility to be connected to	
13.	Grid access rules to be fulfilled	
14.	Voltage at point of coupling and short-circuit capacity in kA	
15.	Application	Peak shaving Energy time shift Frequency control Smoothing/Ramping Backup supply StatCom Tracking an electricity generating Schedule Other (specify) _____ _____
16.	Additional equipment to connect: solar, wind, capacitor bank, etc.	

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17.	Charge cycles	
	Discharge cycles	
18.	Physical dimensions of the plant (available area)	
19.	Construction type	
20.	Site altitude	
21.	Maximum ambient temperature (°C)	
22.	Minimum ambient temperature (°C)	
23.	Nominal working temperature (°C)	
24.	Maximum ambient humidity (%)	
25.	Minimum ambient humidity (%)	
26.	Special ambient conditions (please specify)	
27.	Seismic class (if required)	
28.	If access to site is restricted, please specify maximum dimensions and weight of trucks:	
	Dimensions	
	Weight	
29.	List of laws/rules regarding transportation, storage, use and end of life of batteries in the country of installation	
30.	Protocol and media for communication with higher level controller	
31.	Include all available specifications	
IS BATTERY TECHNOLOGY SELECTED?		No
		Yes Indicate Technology _____
IS BATTERY MODULE TYPE SELECTED?		No
		Yes (include a detailed datasheet attached to the e-mail if possible)
		Type _____
		Rated Voltage _____
		Rated Current _____
		Rated Energy _____

SEND