

## BESS Minimum Requirements Form

Company	_____	Date	_____
Code	_____	Rev	_____

### 1. Objective

The objective of the present form is to obtain the necessary information about the system in which the Ingeteam supply would be installed, so that the service and products offered meet the clients requirements.

### 2. Offered Scope

This is an initial version of the template to be fulfilled in order to facilitate the correct dimensioning of the Battery Energy Storage System (BESS).

Please note that we offer complete customized solutions, including:

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

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 [ingegrid.info@ingeteam.com](mailto:ingegrid.info@ingeteam.com)

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### 3. Minimum required information for battery's applications

BESS data capture.

01.	Project name	_____
	Date of Filling	_____
	Estimated commissioning date	_____
02.	Location of installation (exact address or GPS coordinates if possible)	_____
03.	Energy rating of batteries (kWh)	_____
04.	Active power rating of power conversion system (kW)	_____
05.	Reactive power rating of power conversion system (kVAR)	_____
06.	Apparent power rating of power conversion system (kVA)	_____
07.	Final customer	_____
08.	Direct customer	_____
09.	Customer contact	
	Name	_____
	Position	_____
	Address	_____
	Phone	_____
	e-mail	_____
	website	_____
10.	Grid/utility to be connected	_____
11.	Grid access rules to be fulfilled	_____
12.	Voltage at point of coupling and short circuit capacity in kA	_____
13.	Application	<input type="checkbox"/> Peak shaving <input type="checkbox"/> Energy time shift <input type="checkbox"/> Frequency control <input type="checkbox"/> Smoothing/Ramping <input type="checkbox"/> Backup supply <input type="checkbox"/> StatCom <input type="checkbox"/> Tracking an electricity generating Schedule <input type="checkbox"/> Other (specify)

# Ingeteam

Company	_____	Date	_____
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14.	Charge cycles	_____
	Discharge cycles	_____
15.	Physical dimensions of the plant (available area)	_____
16.	Construction type	_____
17.	Maximum ambient temperature (C°)	_____
18.	Minimum ambient temperature (C°)	_____
19.	Maximum ambient humidity (%)	_____
20.	Minimum ambient humidity (%)	_____
21.	Special ambient conditions (please specify)	_____
22.	Seismic class	_____
23.	Maximum dimensions and weight of trucks with access to site	
	Dimensions	_____
	Weight	_____
24.	List of laws/rules regarding transportation, storage, use and <i>end of life</i> of batteries in the country of installation	
25.	Protocol and media for communication with higher level controller	_____
26.	Include all available specifications	_____
<b>IS BATTERY TECHNOLOGY SELECTED?</b>	No	
	Yes Indicate Technology	_____
<b>IS BATTERY MODULE TYPE SELECTER?</b>	No	
	Yes (include a detailed datasheet attached to the e-mail if possible)	
	Type _____	
	Rated Voltage _____	
	Rated Current _____	
	Rated Energy _____	
<b>Select a combination of serial/parallel units of smaller battery modules</b>		_____