

Battery Energy Storage System Checklist

Installation

Brand-new Installation.
Adding to existing installation.

In-door only
Or
Out-door preferred.

Footprint restricted.
Or
No preference.

Site Address

Humidity:
to %

Temperature:
to C

Distance to coast
km

Seismic request:
Yes No.

Battery System

provided by

BMS provided by

BMS powered by
AC DC

Battery Info:

String voltage range:
to Vdc

Bank configuration
Strings

Nominal energy kWh

Usable energy kWh

C-rate Range
maximum charging and discharging rate

Project Name



EMS Requirements

Existing EMS.
Site controller only.
New EMS

Porvided by

Protection

Fire-fighting System
Yes No.

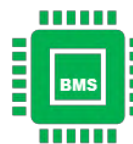
Certification/Compliance
UL/NFPA855
CE/EU (NOVEC 1230)
No preference

Thermal Controlled
Yes No



Site Controller

Functions required



Solar Panel

DC coupled ?
Yes No.
kWp .

String#



PCS

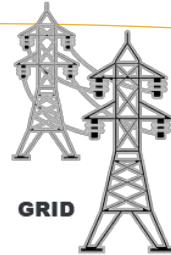
Power kW

Expandable Request
Yes No.

Certificates required

Main Applications:

Grid-tied only.
Off-grid only.
Micro-grid with
grid-connected



GRID

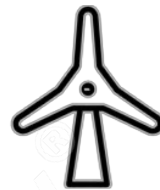
External transformer ?

Yes No.
Power: kVa
Front-of-meter, or
Behind-the-meter

TRANSFORMER

Other power source ?

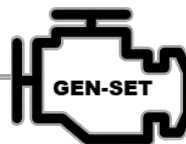
Yes No.
Power: kW



Alternative Power plant



SOLAR FARM



AC connection

AC Voltage:

Frequency: Vac

Phases: Wires: Hz

Auto-switch-over Request? Yes No

Switching time



BESS



Outdoor



Indoor

Planned Installation time

Solar Farm

AC coupled ?

Yes No.

Power: kW

String Inverter, or
Central Inverter

Genset

Power: kW

Loads

Peak load: kW

Inductive load without VFD

kW

Single-phase Load ?

Yes No.

Unbalanced Load ?

Yes No.



LOAD

Filled by