

# BATTERY STORAGE PROJECT INFORMATION SHEET

## PROJECT DETAILS

Project Name \_\_\_\_\_ Name or reference of the project.

Purpose \_\_\_\_\_ Please indicate your purpose of the project such as peak shaving, remote power, etc.

Customer Name \_\_\_\_\_ Name or reference of the customer.

Project Location \_\_\_\_\_ For example: Riyadh, KSA; Florida, USA;

## TECHNICAL REQUIREMENTS

Output Voltage \_\_\_\_\_ System voltage that is required at the output, i.e. 400VAC 3-phase. 120VAC 1-phase.

Max. Instantaneous Power \_\_\_\_\_ **kW** Maximum power when all loads are switched on.

Average Daily Energy \_\_\_\_\_ **kWh** What is the energy use over a 24hr period in kWh?

Genset \_\_\_\_\_ Is a backup generator required/available.

Storage kWh \_\_\_\_\_ **kWh** Battery storage, leave blank for recommendation.

Solar Details \_\_\_\_\_ Details on the solar inverter used (Sunny Island 500CP XT)

Solar Sizing \_\_\_\_\_ **kWp** If solar is installed, please indicate kWp of the system.

Grid Details \_\_\_\_\_ Is grid feed-in required for net-metering?

Battery Backup \_\_\_\_\_ Is there an emergency backup supply required in hrs or % battery capacity?

Usage Profile \_\_\_\_\_ What is the load use like: apartment, household of 3, industrial, offices, etc?

Other \_\_\_\_\_ Are there heavy industrial loads like motors, pumps, or refrigerators?

## SITE DETAILS

Environment \_\_\_\_\_ Is the site indoors, outdoors, under a roof, etc?

Ambient Temperature \_\_\_\_\_ **C/F** What is the average ambient temperature?

Accessibility \_\_\_\_\_ Easy access for trucks, forklift, etc?

Space Available \_\_\_\_\_ Total space available for the battery system?

Dangers \_\_\_\_\_ Specific dangers such as dust, flooding, theft, snow, etc?

PV Panel Angle \_\_\_\_\_ Optimal angle of PV array, leave blank for our own calculations.

PV Panel Model \_\_\_\_\_ If installed, PV panel model name.

PV Distance to Storage \_\_\_\_\_ **m** Wiring distance from PV to battery storage.

PV Mounting \_\_\_\_\_ Roof, ground-level, pole-mount, etc.

## PRELIMINARY SYSTEM DESIGN (FOR INTERNAL USE ONLY)

Recommended Storage \_\_\_\_\_ **kWh**

Recommended Solar \_\_\_\_\_ **kWp**

System Recommendation \_\_\_\_\_ System Recommendation