

## BATTERY ENERGY STORAGE SYSTEMS (BESS)



### WHAT ARE BESS?

BESS comprise of similar batteries to those found in cars, but on a far larger scale and with many thousands of batteries linked together. With purpose-made power conversions, control electronics and electrical switchgears, these batteries can connect to the power supply systems of commercial and industrial sites, such as factories, theme parks and warehouses. Applied in this way, BESS becomes an incredibly versatile and effective energy management tool.

BESS are configured based on site electricity consumption levels, so vary in size. A typical system might take up the area of a car-park space and are generally unobtrusive. Where there may be customer foot-traffic, security fencing can be installed.

To benefit fully, a commercial or industrial site should have a minimum energy spend of £10,000 per month.

### WHAT ARE THE BENEFITS?

BESS can be designed and configured to provide the following benefits:

- Back-up power in the event of disruption to the grid electricity supply, avoiding the cost of downtime.
- Support to provide extra power at peak times, mitigating the need for a costly upgrade to a site's incoming electricity supply.
- Reducing energy costs by charging the battery when electricity is cheap and discharging it at peak times to reduce, or eliminate, DUoS Red and TNUoS charges.
- Generating revenue by providing services to the National Grid, which helps to balance out our national electricity supply.

Call us today on **0207 371 5360** for expert advice on how to make your business energy greener, cheaper and more secure.