

Managing Your Battery (Energy) Storage Unit (BSU) on Site



On Site Checks and Maintenance: Like all equipment on site, a BSU needs regular checks to ensure it is performing correctly and delivering the savings you'd expect.

The below guide will help you ensure your BSU is working correctly, however, if you have any concerns or need further support, please contact our Uptime team on **01246 858702**.

Do

- Ensure the generator is always left in auto.
- When the generator is charging the Battery Storage Unit ensure the charging light is illuminated on the BSU.

Don't

- Do Not leave the generator in manual.
- Do not assume the BSU is charging when the generator is running, check the charging light is illuminated, if it is not illuminated call the Uptime Team 01246 858702.

Additional Trouble Shooting, If Your BSU Is Not Performing

- Manage your site load, ensure all noncritical power is turned off at night, weekends or when you want the BSU power utilised (including heaters).
- Check all cables are plugged into the BSU (this must be done in compliance with all safety regulations and carried out by a competent person)
- If the auto start light is illuminated on the BSU, but the generator is not running, call the Uptime team 01246 858702.
- The BSU has 2 modes that are set up as per your requirements on install (Hybrid or Periodic Run). If the BSU is not running as you would like, speak to a member of our Uptime team on 01246 858702, they will check this mode and alter if required.

24/7 Technical Support - National Uptime Centre

01246 858702 | nationaluptimecentre@sunbeltrentals.co.uk

The function of a Battery Storage Unit

A Battery Storage Unit (BSU) is a large battery that can be charged by a generator, mains or a combination of power sources. When linked to a generator in the correct way it is effective in reducing fuel consumption, lowering emissions, lowering noise and can reduce overall costs associated with temporary power. When paired with a generator, the generator will typically support the peak power demands on site, and it will charge the BSU while doing so.

When the load drops (typically below 11-9kW), the BSU will take over from the generator to power your site. This is usually at evenings and weekends, when loads are low. But this can vary per application and site. The battery is silent and will turn off the generator (providing the generator is in AUTO) and the BSU will continue to power your site, with no use of fuel, no noise and no emissions.

If your site needs power 24/7 this often results in an average 50% reduction in fuel consumption and associated costs.

