



# BESS PRODUCT RANGE

Reliable Battery Energy Storage Systems



## BESS10 SPECIFICATIONS

### BESS10

- **Model** - BESS10
- **Output Socket** - 3x 32A 230V Single Phase – bi-directional (supports AC coupled solar)
- **Input Socket** - 63A C-form for 1P generator input
- **Inverter** - 1x 16kW Single Phase

### LITHIUM BATTERIES

- **Battery Nominal Voltage** - 51.2V
- **Battery Nominal Capacity** - 5324.8Wh / 104 Ah
- **Battery Type** - LiFePO<sub>4</sub> (LFP)
- **Battery Number** - 3
- **Battery Management System** - Yes
- **Operating Temperature:**
  - **Charge**- 0° ~ 45°C
  - **Discharge**- -10° ~ 55°C

## DIMENSIONS & WEIGHT

- **Dimensions** - 1200mm L x 550mm W x 1140m H
- **Weight** - 590Kg

## COMPATIBILITY

- **Solar** - Compatible with Makinex Container Top Solar 5kW (CTS) and any other AC-coupled solar solution.  
**Note:** system must respond to frequency-shifting to limit PV output and prevent overcharging batteries.
- **Generator** - Any 6-20kW Single-phase 2-wire start generator. Max generator charge rate 6kW (230V @ 26A)

## STANDARD FEATURES

- **Small, lightweight and compact for space restricted applications**
- **Simple zero-config operation**
- **4G Modem included to provide limited remote monitoring in 4G coverage areas**
- **Compatible with wide range of single-phase generators**
- **Durable Galvanised frame**
- **Forklift pockets, top lifting lug and tie-downs for safe handling and transportation**
- **Efficient temperature management with inverter located in a separate section to the battery compartment**
- **Simple field replacement of battery in the event of failure**

Makinex Renewables reserves the right to modify the technical specifications, items and design without notice. The images of the products are indicative for illustrative purposes only.



**MAKINEX**<sup>®</sup>  
RENEWABLES