

# OFF GRID LX 45/75 LI



## FEATURES:

- Deep cycle automotive NMC Li-Ion battery
- Advanced EMS with touch screen control
- GSM Remote monitoring
- Full system DC isolator with pre-charge
- Auto Full system bypass
- Single to three phase conversion



## Output specifications

|                           |     |         |
|---------------------------|-----|---------|
| Output power (Continuous) | kVA | 45      |
| Output power peak (5s)    | kW  | 90      |
| Voltage                   | V   | 400/230 |
| Frequency                 | Hz  | 50      |
| Phases                    |     | 3       |



## Battery specifications

|                                  |        |            |
|----------------------------------|--------|------------|
| Battery (Type)                   |        | Li-Ion NMC |
| Battery Nominal DC Voltage       | V      | 55.5       |
| Battery design life (to 80% DoD) | cycles | 3000       |
| Battery Nominal capacity (sizes) | kWh    | 75         |
| Usable energy AC side (@80% DoD) | kWh    | 60         |



## General Description

Off Grid LX is a universal Battery Energy Storage system (BES) ideally suited to a range of applications, delivering reliable power in the most cost effective and environmentally sensitive way. Energy stored within the unit is converted electronically into mains power. Power can be derived from integrated solar PV, connection to an external grid supply or from a diesel generator or wind turbine. Energy is automatically managed from any or all of these energy sources to ensure the most efficient, lowest maintenance and best environmental impact is achieved. Remote communication ensures real time monitoring and maintenance can be effected from any location in the world.



### Input specifications

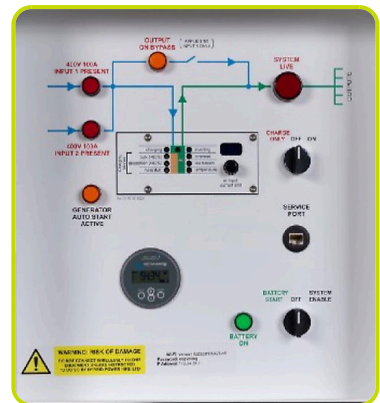
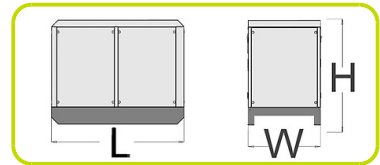
|  |   |     |
|--|---|-----|
| Maximum input Three Phases socket 400V | A | 125 |
| Maximum input Single Phase socket 230V | A | 125 |
| System pass-through capacity           | A | 100 |

### Installation data

|  |        |          |
|--|--------|----------|
| Length   | (L) mm | 2012     |
| Width  | (W) mm | 1183     |
| Height   | (H) mm | 2012     |
| Weight   | kg     | 1630     |
| Protection rating  | IP     | 34       |
| Operating temperature range (charging suspended below 0°C) | °C     | -10...45 |

### Instruments, controls & connections

|                                       |  |
|---------------------------------------|--|
| Inverter protection Short Circuit     | ✓                                      |
| Inverter protection Overload          | ✓                                      |
| Inverter protection Over Temperature  | ✓                                      |
| Inverter protection Low Battery       | ✓                                      |
| System status control panel           | ✓                                      |
| Battery condition                     | ✓                                      |
| Battery main isolator                 | ✓                                      |
| GSM Remote monitoring                 | ✓                                      |
| Automatic generator auto-start signal | ✓                                      |
| Input 125A 400/230V IEC 60309 3ph     | 2                                      |
| Input connection                      | IEC 60309 or hardwire stud             |
| Output Protection RCBO / RCD          | ✓                                      |
| Output 32A 230V IEC 60309 1ph         | 1                                      |
| Output 32A 400/230v IEC 60309 3ph     | 2                                      |
| Output 63A 400/230v IEC 60309 3ph     | 1                                      |
| Output 125A 400/230v IEC 60309 3ph    | 1                                      |
| Output connection AC                  | 400V 3Phase IEC 60309 or hardwire stud |



### BATTERY STORAGE DEPLOYED WITH GENERATOR TO SUPPLY SITE WELFARE UNIT



### Optional features

|                             |      |
|-----------------------------|------|
| Solar PV charge controller  | MPPT |
| EV Charge Point             | EVC  |
| Custom sockets distribution | CS   |
| Custom colors               | DCCX |

