

# Product Information MSB-V3C 2 & 3kWh Moixa Smart Battery

The following sub-sections explain Moixa's product specification and certification.

## Product Specification



### Dimensions

H: 50.5 cm x W: 34.5 cm x D: 24.5 cm



### Weight

39.7 kg (2kWh Smart Battery) 48.7 kg (3kWh Smart Battery)



### Power

Mains connection AC 240V. Input nominal 750W max, output nominal 460W max.

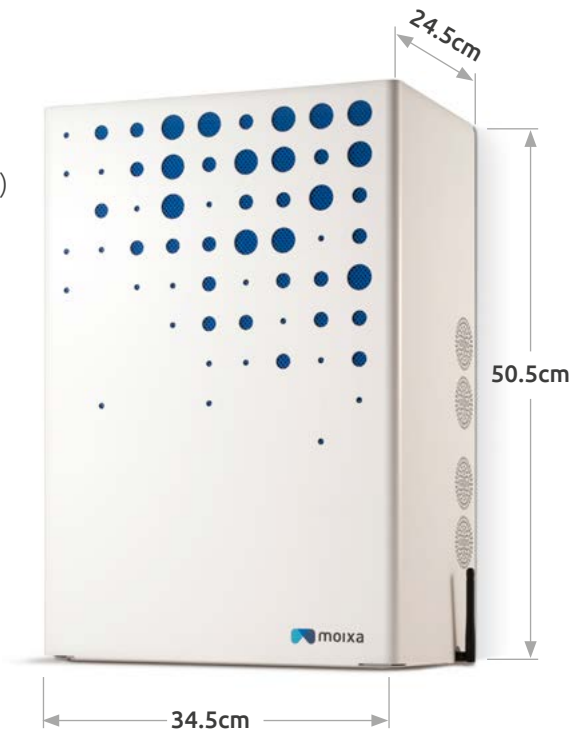


### Battery

2 or 3 kWh LiFePO4 battery unit comprising 2x non-user replaceable battery modules. 2x 40Ah battery modules (2kWh system), 2x 60Ah battery modules (3kWh system).

Typical battery life > 10,000 full charge cycles at <80% depth of discharge (20 years projected).

Batteries are rated at max 20A charge / discharge rate. Fully charged to 28.8V and discharged to 23.5V.

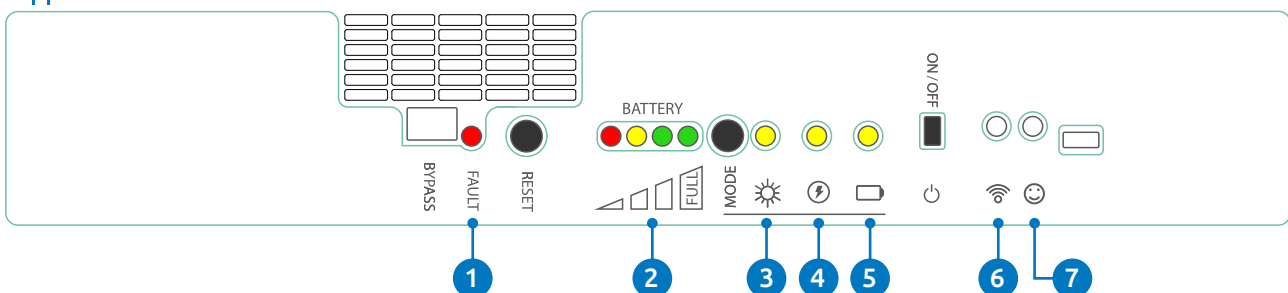


### Communications

As standard with Ethernet port (External) for direct wiring or powerline (TP-Link) comms. Optional Wi-fi (external antenna).



### Status Panel



1. Indicates a possible fault with the Moixa Smart Battery. If flashing, please contact Customer Support.

2. Indicates the level of charge. Flashing indicates charging up to that level.

3. Energy is coming from DC solar.

4. Energy is coming from AC mains. Flashing may indicate mains failure, so please contact Customer Support.

5. Energy is coming from the battery. Flashing indicates charging.

6. Your unit is online and connected to the internet.

7. Flashing indicates the Moixa Smart Battery is operating normally.



## Protection & Compliance

All connections between DC power sources and sinks are protected with logic controlled fault detection circuitry that disconnects all power when activated. Protection is for over current, over voltage, and under voltage conditions. Earth fault protection is included in the operating software and will disconnect all power outputs when activated.

Designed to comply with FCC/EMC (EN301-489-1), ROHS, EN60950-1, Canada (ICES003) & Microinverter to G83/2. CE marked and compliant for sale in the EU.



## Warranty

**Standard Warranty:** 5 years unit, 10 years batteries at 70% of initially rated capacity.

**Extended GridShare Warranty:** For as long as the customer is a participant of the GridShare scheme the Moixa Smart Battery remains under warranty.



## Intellectual Property Rights

Patented and patents pending including  
(GB2476213, US201000076615, GB1221819.4)

## Product Certification Protocol and Testing

Either an Electrical Installation Certificate or a current Electrical Installation Condition Certificate for the mains AC installation, is desirable to ensure that it complies with the latest relevant wiring standards. The extent of responsibility for the existing installation is ultimately a matter of judgement by the contractor. Issues that must be addressed include:

- All installed protection measures should be viable.
- Equipotential bonding and Main earth conductor should be present and correct.
- Anything immediately unsafe, noticed during initial survey or installation work, must be rectified or discussed with the customer to agree the required remedial work.
- If the customer does not agree to the remedial work, the contractor should refuse to carry out any new installation work.
- Any deviations from current regulations that do not pose an immediate safety concern should be noted and the customer informed as appropriate.
- Installation additions or alterations must be carried out to current wiring regulations.
- The extent and limitations of the new work must be clearly defined on the Electrical Installation Certificate.
- The installation should be left in as safe or safer condition as before the new work was performed.