

Moixa Smart Battery – Technical specs

2 kWh Moixa Smart Battery.
Sized for an average 3 bedroom house.



Battery 2 or 3 kWh LiFePO4 battery unit

Dimensions Height: 49.0 cm
Width: 30.8 cm
Depth: 19.0 cm fro 2kWh, 23.0 cm for 3kWh model
Weight: 28.6 kg (2kWh system) , 36.8kg (3kWh system)

Power Inputs Mains AC . Fused input 240V AC.
PV panel inputs, standard MC4 PV connections, up to 10A, max VOC 35V rated panel

Power Output 3 x DC outputs,, 23-32V combined maximum 14A load
1 x internal connector to micro-inverter, rated at 20A DC
1 x AC output (micro-inverter version), rated at 430W

Battery 2x non-user replaceable battery 40Ah (2kWh) or 60Ah (3kWh) modules. Typical life > 10,000 charge cycles @ <80% DOD (20 years projected) Batteries are rated at max 20A charge / discharge rate. Fully charged 28.8V, discharge to 23V

Protection & Compliance All connections between power sources are protected with logic controlled fault detection circuitry that disconnects all power when activated. Protection is for over current (>17A), over voltage (>36V), and under voltage (<20V) conditions. Earth fault protection is provided through comparator analysis in software, disconnects all power outputs when activated. All DC outputs are additionally protected with thermal fuses, typically rated at 8A, but matched on install to network load. Operating temperature range is 0degC to 45degC.

Designed to comply with FCC/EMC, ROHS (EN301-489-1 & -17), FCC (part 15B) and Canada (ICES003), EN 60950-1 (tested by UL and others). Microinverter to G83/2. CE marked and fully compliant for sale in the EU.

Status Panel



Communications As standard with WiFi (external antenna).
Ethernet port (internal) for direct wiring or powerline (TPlink) comms.

Notices Available for orders UK FOB
Standard Warranty: 5 years unit , 10 years batteries@ 70% of initially rated capacity.
Extended Gridshare Warranty: For as long as the customer is a participant of Gridshare the unit remains under warranty
Specifications subject to change without notice.
Patented and patents pending including (GB2476213, US201000076615, GB1221819.4)

more information?



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