

# 2 & 3kWh maslow datasheets sku: MASM CU0112 & 0113

## Moixa integrated smart battery and power delivery system



2 kWh maslow. 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 for 2kWh, 23.0 cm for 3kWh model  
Weight: 28.6 kg (2kWh system) , 36.8kg (3kWh system)

**Power Inputs** Mains AC . Fused input (3A) between 85 - 263V AC / 120 - 373V DC.  
PV panel inputs, standard MC4 PV connections, up to 15A, 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. 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  
5 Year Warranty for Moixa Smart Battery  
Extended warranty and battery replacement/upgrade service available.  
Specifications subject to change without notice.  
Patented and patents pending including (GB2476213, US201000076615, GB1221819.4)

more information?



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