



FLUXX
High Tech Home Batteries

MUBO 5



DATASHEET

MUBI-XXX-XXXXX

Designed and manufactured by



DARWIN
RENEWABLE ENERGY INNOVATOR





Extensive cycle life
(6000 cycles)



Supports parallel
operation
(Up to 4 units)



Efficient automated
production line,
achieving optimum
production quality



User-friendly one-button
operation, automatic
module ID assignment
process



Remote diagnosis
and real-time data
monitoring

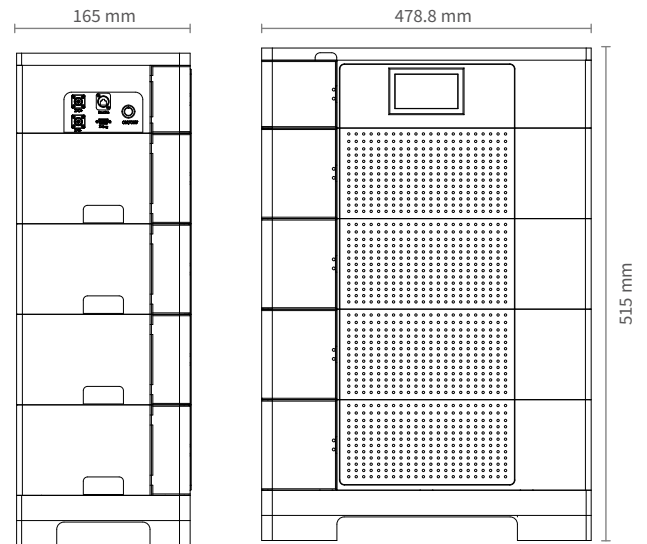
General	5-H4	5-H6	5-H7	5-H8	5-H8	5-H9	5-H10
Battery module quantity	4	5	6	7	8	9	10
Nominal voltage (V)	204,8	256	307,2	358,4	409,6	460,8	512
Max. charge voltage (V)	230,4	288	345,6	403,2	460,8	518,4	576
Min. discharge voltage (V)	182,4	228	273,6	319,2	364,8	410,4	456
Nominal energy (kWh)	20	25	30	35	40	45	50
Available energy (90% DOD) (kWh)	9	11,25	13,5	15,75	18	20,25	22,5
Dimension (mm)	515*480*870	515*480*995	515*480*1120	515*480*1245	515*480*1370	515*480*1495	515*480*1620
Weight (kg)	280	345	410	475	540	605	670
Rated charge/discharge power (KW)	10,24	12,8	15,36	17,92	20,48	23,04	25,6

Efficiency

Protection class	IP65
Cooling	atural
Nominal charging current (A)	50
Max. continuous charging current (A)	60
Nominal discharge current (A)	50
Max. continuous discharge current (A)	60
Working temperature	-20°C-60°C (power derating below 8°C and above 40°C)
Storage temperature	≤ 25°C: 12 months , ≤ 35°C: 6 months, ≤ 45°C: 3 months
Environmental humidity	≤ 95%RH (no condensation)
Operating altitude	≤ 2000 m
Scale	Suggest no more than 4 parallel
Certificates	UN38.3, IEC62619, IEC62040-1, SAA, etc.
Cycle life	6000 @ 80% DOD / 25°C/ 0.5C / 60% EOL

Battery Module Parameters

Battery type	LFP
Nominal voltage (V)	51,2
Nominal capacity (Ah)	100
Weight (kg)	65
Dimension (mm)	515*478.8*165
Protection	IP50

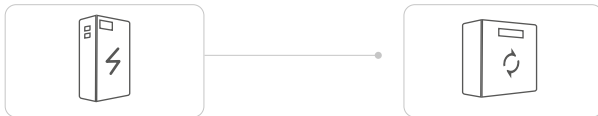


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BMS Compatibility Hybrid Inverter

ZED by Darwin + Growatt + Solis + GoodWe + all Pylontech protocol hybrid inverters

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Easy compatibility with Moebius inverters

Warranty

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