



THE BATTERY RECHARGEABLE MERI ENERGY 5 kWh

5 kWh lithium-ion battery (LFP)

- Up to 4 towers of 30kWh can be connected in parallel
- 10-year warranty
- LFP chemistry (the safest)
- >6000 cycles
- Fire extinguishing device
- Aesthetically pleasing
- IP 65: Can be installed indoors/outdoors
- Quick and easy to install



BATTERY PACK SPECIFICATIONS

	ME-HVB-PWR-5 LV-2	ME-HVB-PWR-5 LV-3	ME-HVB-PWR-5 LV-4	ME-HVB-PWR-5 LV-5	ME-HVB-PWR-5 LV-6
Number of battery modules	2	3	4	5	6
Energy [kWh]	10.24	15.36	20.48	25.6	30.72
Weight [kg]	117	170	223	276	329
Dimensions (WxDxH) [mm]	610x225x890	610x225x1140	610x225x1390	610x225x1640	610x225x1890
Operating voltage range [V]	89.6 — 112.3	134.4 — 168.5	179.2 — 224.6	224 — 280.8	268.8 — 350.4
Recommended charging current [A]			50		
MAX continuous charging current [A]			100		
MAX continuous discharge current [A]			100		
Display Communication	Information about SOC and voltage RS485 / CAN				
MAX parallel configuration	4 Towers (3 to 6 units of 5kWh per tower)				
Charging temperature [°C]	0°C — 55				
Discharging temperature [°C]	-20°C — 60				
IP	IP65				
Relative humidity	5% — 95				
Cooling Cell chemistry	Natural convection LiFePO4				
Life cycles	6000 @ 80% DOD				
Certificate	CB, IEC62619, CE, EN62040, IEC62040, UN38.3, MSDS				

TECHNICAL SPECIFICATIONS SINGLE MODULE

Single module		51.2V 100Ah, 5.12kWh
Dimensions (WxDxH) [mm]		High Voltage BMS Box: 610*225*250 Battery module: 610*225*250
Weight [kg]		High Voltage BMS Box: 16 - Battery module: 48.5

Compatible and CEI 021 certified, even with three-phase hybrid inverters manufactured by [AFORE](#)