

Model # ML172K280

Product Description

Magnizon ML series Industrial grade Lithium ion maintenance-free Battery pack is a Smart general purpose energy storage system with 15+ years of design life with >6000cycles of life. It meets with IEC, UL, JIS and BS standards. Modular battery packs with smart BMS and DC high voltage control system enables to suite any required DC bus of the inverters/UPS system. It is suitable for UPS/EPS, medical equipment, emergency light and security system applications. Excellent quality, excellent performance, High energy density, fully sealed structure, long service life, and high reliability, to provide customers with more convenient.



Applications

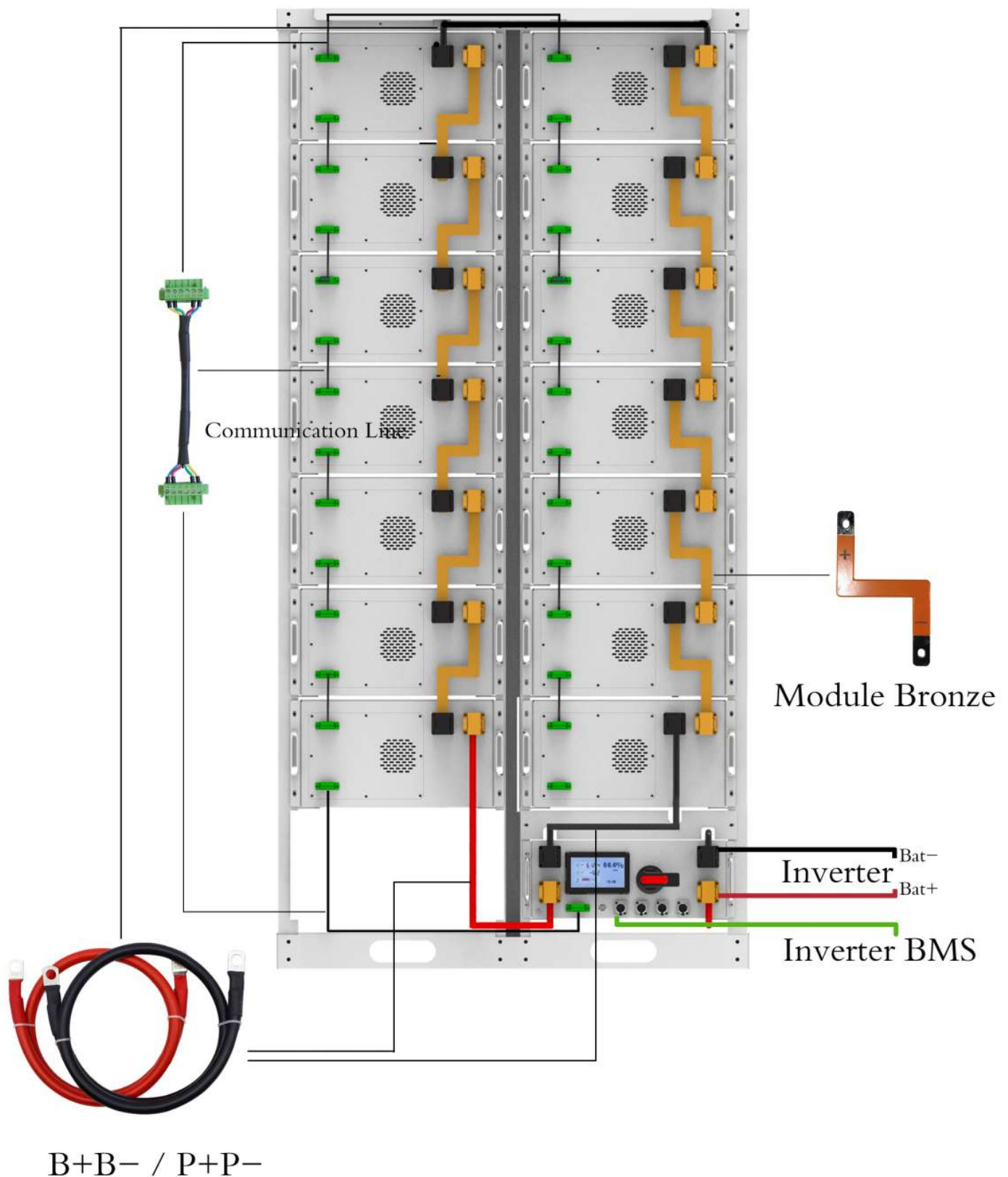
- ❖ Solar hybrid power stations
- ❖ Smart min-grids
- ❖ Telecom towers
- ❖ Commercial solar/wind storage power plants

Product Features

- ❖ Solid-state Supercapacitor Battery technology
- ❖ Smart BMS
- ❖ Ultra long cycle life
- ❖ Extreme temperature
- ❖ Safest technology
- ❖ Rarely maintenance

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Battery Rack Spec



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Model	ML172K280
Product Vah rating	614.4V280Ah
Nominal Voltage	614.4V
Nominal Capacity (Ah)	280Ah
Nominal Energy storage (KWh)	172KWh
No of 51.2V/280Ah Modules	12nos
Dimension Module	483x245x792x14nos (mm)
Dimension Rack	1090x780x2190mm
Weight(Kgs)	1804kgs
Specifications	
Nominal Capacity (KWh)	172KWh
Discharge cut-Off Voltage (V)	537.7V
Charge Cut-Off Voltage (V)	681.6V
Recommended Charge/Discharge Current	100Amp
Max. Charge/Discharge working current	200Amp
Communication	RS485/RS232/CAN
Working Temperature	0~50degC Charge, -10~50degC Discharge
Transport/ Storage Temperature Range	-20~60degC Discharge
Certification	CE/IEC/UL/UN38.3/MSDS
Design Life	15+ Years
Cycle Life	(0.5C/0.5C-80%DOD) >6000 Cycles
Parallel Function	Supports 16units in Series (3.22MWh)
Quality Standards	ISO9001:2015, ISO14001:2015, RoHs

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Battery Module Specs



Model	MLM-51V280
Product Vah rating	51.2V280Ah
Nominal Voltage	51.2V
Nominal Capacity (Ah)	280Ah
Dimension Module	483x245x792(mm)
Weight(Kgs)	114Kgs
Specifications	
Nominal Voltage	51.2V
Nominal Capacity (Wh)	14336Wh
Discharge cut-Off Voltage (V)	44.8V
Charge Cut-Off Voltage (V)	56.8V
Recommended Charge/Discharge Current	100Amp
Max. Charge/Discharge working current	200Amp
Communication	RS485/RS232/CAN
Working Temperature	0~50degC Charge, -10~50degC Discharge
Transport/ Storage Temperature Range	-20~60degC Discharge
Certification	CE/IEC/UL/UN38.3/MSDS
Design Life	15+ Years
Cycle Life	(0.5C/0.5C-80%DOD) >6000 Cycles
Series Function	Supports 15units in Series
Quality Standards	ISO9001:2015, ISO14001:2015, RoHs