



M15015 SERIES

BATTERY SYSTEM DESIGNED FOR PV HOUSEHOLD APPLICATION



Plug & Play



Modular



Safety



20 Years Lifetime

Energy storage innovation leader, smart and green life builder

SMARTEN YOUR ENERGY



DATASHEET

Physical

Model	M15015
Battery Type	LiFePO4 (LFP)
Battery Manufacturer	LISHEN
System Weight	Approx. 35 kg
Outline Dimensions	483× 500× 132 mm
Protection Level	IP51

Electrical

Energy Capacity	2.5 KWh
Usable Capacity	2.0 KWh
DOD	80%
Nominal Voltage	153.6 V
Internal Resistance	≤ 300 mΩ
Cycle Life	≥ 6000 @80%

LMS

Monitoring Parameters	Cell Voltage, Cell Block Temperature, Pole Temperature, LMU PCB Temperature.
Communication	CAN2.0

HVCU

Model	HVCU-150
Monitoring Parameters	System Voltage, System Current, Cell Voltage (Module), Block Temperature (Module), Pole Temperature (Module)
Pre-Charge function	150 ohm/50W for 1sec
SOC	SOC evaluation
Display	LCD 16x2 with Backlight
Communication	CAN and RS485 compatible
Max. modules	6 (15 KWh)
High Voltage Control Box	Approx. 10 kg
Outline Dimensions (W× D× H)	483× 400× 87 mm

Warranty

Product Warranty	5 Years
Performance Warranty	10 Years
Expected Lifetime	20 Years

Operation

Max. Charge Current	8 A (0.5C)
Max. Discharge Current	8 A (0.5C)
Max. Charge Current (OFF-GRID)	8 A (0.5C)
Max. Discharge Current (OFF-GRID)	16 A (1C)
Max. Discharge Pulse Current (10S)	32 A
Power Consumption	< 2 W (Work) < 100 mW (Sleep)
Operating Temperature Range	0°C To 40°C
Transport Or Storage Temperature Range	-10°C To 45°C
Humidity	15% - 85%

Cabinet

Outline Dimension	600× 600× 800 mm
Max. Modules	4 (10KWh)
Color	Black
Work Environment	Temperature: - 40°C To 60°C, Relative humidity: < 95 %
IP Protection Class	IP2(0)
Standards / Certificates	ANSI EIA, RS-310-D, IEC297-2, DIN4191, PART1, DIN4194, PART7, GB / T3047.2-92, 19 " International standard, Metric standard, ETSI
Safety	① Excellent conductivity and antistatic ability; ② High shock resistance performance
Reliability	① Firm and stable structure ② Cabinet bearing capacity: 800 kg (While still), > 500 kg (While moving) ③ Tray bearing capacity: 50 kg

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