





Battery System Designed For PV Household Application

Battery Series

M15020



-  Plug & Play
-  Modular
-  Safety
-  Long Lifetime

Physical

Model	M15020
Battery Type	LiFePO ₄ (LFP)
Battery Manufacturer	LISIEN Power Your Life!
System Weight	Approx. 40 kg
Dimension (W x D x H)	482 x 460 x 156 mm
Protection Level	IP20

Electrical

Energy Capacity	3.0 kWh
Usable Capacity	2.7 kWh
DOD	90%
Nominal Voltage	153.6 V
Operation Voltage Range	134.4 ~ 175.2 V
Internal Resistance	≤ 250 mΩ
Cycle Life	≥ 8000

Warranty

Product Warranty	5 Years
Performance Warranty	10 Years

BMS

Power Consumption	<2 W (Work) <100 mW (Sleep)
Monitoring Parameters	System voltage, current, cell voltage, cell temperature, PCBA temperature.
SOC	Intelligent algorithm
Communication	CAN and RS485 compatible

System Configuration

Control Box	HV15050
Module Parallel	1 ~ 6 Parallel
Capacity Range	3/6/9/12/15/18 kWh

Operation

Max. Charge Current	10 A (0.5C)
Max. Discharge Current	10 A (0.5C)
Operating Temperature Range	0 C ~ 40 C
Transport Or Storage Temperature Range	-10 C ~ 45 C
Humidity	15% ~ 85%

Cabinet

Dimension (W x D x H)	600 x 600 x 990/1390 mm
Max. Modules	4/6
Color	Black
IP Protection Class	IP20



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