

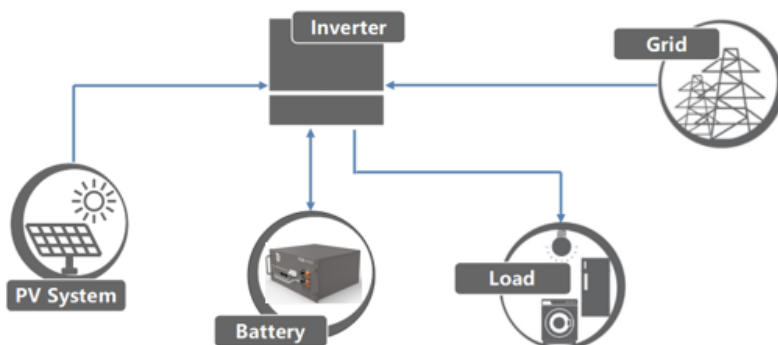


## Low Voltage Energy Storage Battery LV5120-R Series Specification



## Application

Be specially designed for multiple energy storage application scenarios including household, data center, and commercial building, bank, hospital, school, railway station, airport and telecom, etc.



## Feature



## Advantages

- 1 Long Design Life
- 2 Multiple Protection
- 3 Modular Design
- 4 Dekra Certification
- 5 Scalable & Flexible
- 6 Easy Maintenance

# Specification

No.	Items	Specification	
1	Product Name	Rechargeable Lithium Iron Phosphate Battery	
2	Module Model	LV5120-R1	LV5120-R2
3	Breaker	No	Yes
4	Battery Type	LFP 2P16S	
5	Nominal Capacity	5.12kWh	
6	Usable Capacity	4.86kWh (95% DOD)	
7	Nominal Voltage	51.2V	
8	Working Voltage	45.6~57.6V	
9	Charging Voltage	56V	
10	Max. Charge Current	50A	
11	Max. Discharge Current	100A	
12	Communication	RS485 , CAN	
13	Storage Temperature	0°C ~ 45°C (Recommended)	
14	Storage Humidity	≤85% (RH)	
15	Working Temperature	Charging: -10°C ~ 50°C Discharging: -20°C ~ 50°C	
16	Working Humidity	≤95% (RH) No Condensation	
17	Working Altitude	≤2000m	
18	Ingress Protection	IP20	
19	Protective Class	I	
20	Weight	42.7kg	43kg
21	Dimension(W*D*H)	440mm*410mm*178mm	
22	Design Life	15 Years (25°C)	
23	Cycle Life	> 6000 (25°C) ,60% EOL	
24	Scalability	Max. 16 in parallel (Capacity 81.92kWh)	
25	Certification	CE, IEC62619, IEC61000-6-1/3, UN38.3	



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