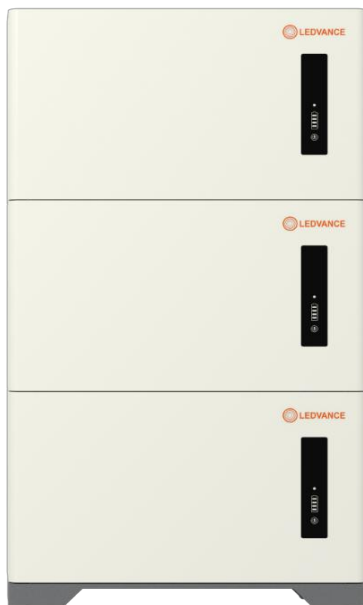




LES-LV-5K-L-G01

Low Voltage Energy Storage Battery

- Safety. Using LiFePO4 cells is safe and provides a stable power supply.
- Stackable at low voltage. Modular design, simple and easy installation, easy battery replacement and system expansion.
- Wide operating temperature range of -20°C~60°C.
- Environmentally friendly. No toxic heavy metals or corrosive materials. Self-generation and use of clean energy to reduce carbon emissions.
- Smart and well designed. The app can monitor data in real time. The LED displays the device parameters in real time and the operating status is clear.

MODEL	LES-LV-5K-L-G01-H1	LES-LV-5K-L-G01-H2	LES-LV-5K-L-G01-H3	LES-LV-5K-L-G01-H4
Electrical Characteristics				
Battery Type	LiFePO4			
Battery Quantity	1	2	3	4
Nominal Capacity [kWh]	5.12	10.24	15.36	20.48
Usable Energy [kWh] (1)	4.864	9.728	14.529	19.456
Nominal Capacity [Ah]	100	200	300	400
Nominal Voltage [V]	51.2			
Operating Voltage[V]	40.0~58.4			
Recommended Dischargecurrent [A]	50	100	100	100
Max.Charge / Dischargecurrent [A] (2)	50/100	100/200	150/200	200/200
Depth Of Discharge [%]	90%			
Warranty	10 years			
Minimum Throughput Energy [MWh] (3)	12.43	24.86	37.28	49.71
Communication	CAN2.0, RS485			
Display	SOC LED			
Scalability	Max.15 Systems in Parallel			
Operating Conditions				
Install Location	Floor mount/Indoor install			
Cell Operating Temperature [°C]	Charge:-10~55 Discharge:-20~60			
Battery Operating Temperature [°C]	Charge:-10~53 Discharge:-20~58			
Cell Storage Temperature [°C]	-10~35 ≤ Six months (≥ 50% soc)			
Battery Storage Temperature[°C]	0~35 ≤ Six months			
Cooling Type	Natural Cooling			
Humidity [%]	5~95 RH			
Altitude [m]	Max.2000			
Mechanical characteristic				
Size [WxDxH mm]	680x152x430	680x152x810	680x152x1190	680x152x1570
Weight [kg]	48.0	93.5	139.0	184.5
EMC	YES			
Certification	CE/EC 62619/UN 38.3			
IP Rating of Enclosure	IP65			

(1) DC Usable Energy, test conditions: 90% DOD, 0.2C charge & discharge at 25°C. System usable energymay vary due to system configuratio.

(2) Current is affected by temperature and SOC.

(3) The Minimum Throughput Energy means the total output energy of the product recorded in the control module of the Product.

System Components



LOW VOLTAGE BATTERY MODULE	
Model	Battery module 5kWh
Battery type	LiFePO4
Nominal voltage [V]	40.0–58.4
Rated capacity [Ah]	100
Rated energy [kWh]	5.12
Nominal charge/discharge current [A]	50
Peak discharge current [A]	100
Charge temperature [°C]	-10~53
Discharge temperature [°C]	-20~58
Ingress protection	IP65
Dimension [WxDxH mm]	680x152x380
Weight approximate [kg]	45±1



BATTERY MODULE BASE	
Model	Battery Module Base
Dimension [WxDxH mm]	680x152x50
Weight approximate [kg]	2.5±0.2



COMMUNICATION CABLE	
Model	Communication Cable
Standard 2-meter communication cable connected to the external device	



POWER CABLE	
Model	Power Cable
Standard 2-meter power cable connected to the positive pole of the external PCS	
1000V (1AWG/2AWG)	



POWER CABLE	
Model	Power Cable
Standard 2-meter power cable connected to the negative pole of the external PCS	
1000V (1AWG/2AWG)	