## **LEDVANCE.COM**





## LES-LV-5K

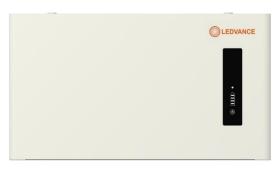
Low Voltage Energy Storage Battery

- Intelligent and visual

MODEL	LES-LV-5K-H1	LES-LV-5K-H2	LES-LV-5K-H3	LES-LV-5K-H4
ELECTRICAL CHARACTERISTICS				
Battery Type		LiFe	eP04	
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	14.592	19.456
Nominal Capacity [Ah]	100	200	300	400
Nominal Voltage [V]		5	1.2	
Operating Voltage [V]		40.0	- 58.4	
Recommend Discharge Current [A]	50	100	200	200
Max. Charge / Discharge Current [A] (2)	100	200	200	200
Depth of Discharge [%]		9	5%	
Circle Life		40	000	
Warranty		10 \	/ears	
Communication		CAN2.0	), RS485	
Display		S00	LED	
Scalability		Max.15 Syste	ems in Parallel	
Operating Conditions				
Install Location		Outdoo	r/Indoor	
Cell Operating Temperature [°C]		Charge: 0 ~ 55	Discharge: -20 ~ 60	
Battery Operating Temperature [°C]		Charge: 0 ~ 53	Discharge: -20 ~ 58	
Cell Storage Temperature [°C]		-20 ~ 35 ≤ Six mor	nths (20%-50% SOC)	
Battery Storage Temperature [°C]		0-35 ≤ Six months		
Cooling Type		Natura	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			es	
Certification		CE/IEC 626	619/UN38.3	
Ingress protection			65	

<sup>(1)</sup> DC Usable Energy, test conditions: 90% DOD, 0.2C charge & discharge at 25°C. System usable energy may vary due to system configuration. (2) Current is affected by temperature and SOC.

## System Components



Model	Battery module 5kWh	
Battery type	LiFeP04	
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]	0 ~ 55	
Discharge temperature [°C]	-20 ~ 60	
Ingress protection	IP65	
Dimension [WxDxH mm]	680x152x380	
Weight approximate [kg]	45.5	



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



COMMUMICATION 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	1500V/25mm²-50mm²	



POWER CABLE		
Model	Power Cable	
Standard 2-meter power cable connected to the negative pole of the external PCS	1500V/25mm²-50mm²	