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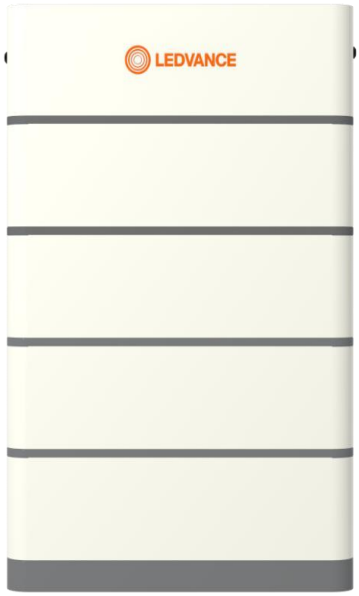


LES-HV-4K

High Voltage Energy Storage Battery

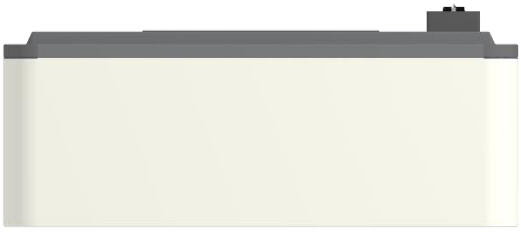
- Safety. Using LiFePO4 cells is safe and provides a stable power supply.
- Stackable at high voltage. Modular design, simple and easy installation, easy battery replacement and system expansion.
- Wide operating temperature range of -20°C~60°C. Environmentally friendly. No toxic heavy metals or corrosive 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-HV-4K-H2	LES-HV-4K-H3	LES-HV-4K-H4	LES-HV-4K-H5	LES-HV-4K-H6
Main Parameter					
Battery Type			LiFePO4		
Battery Quantity	2	3	4	5	6
Nominal Capacity [kWh]	8.192	12.288	16.384	20.480	24.576
Usable Energy [kWh] (1)	7.782	11.673	15.565	19.456	23.347
Nominal Capacity [Ah]			40		
Nominal Voltage [V]	204.8	307.2	409.6	512.0	614.4
Operating Voltage[V]	179.2~233.6	268.8~350.4	358.4~467.2	448~584	537~700.8
Recommended Dischargecurrent [A]			20		
Max.charge / Dischargecurrent [A] (2)			40		
Discharge Rate			1C		
Depth of Discharge [%]			90%		
Minimum Throughput Energy [MWh] (3)	19.88	29.82	39.77	49.71	59.65
Warranty			10 years		
Communication			CAN2.0/RS485/WiFi/Bluetooth		
Display			SOC LED		
Scalability			Max.8 Systems in Parallel		
Operating Conditions					
Install Location			Floor mount		
Cell Operating Temperature [°C]			Charge:0～50 Discharge:-20～60		
Battery Operating Temperature [°C]			-20～60		
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		
Operating Altitude [m]			Max.2000		
Mechanical characteristic					
Size [WxDxH mm]	600*400*560	600*400*730	600*400*900	600*400*1070	600*400*1240
Weight [kg]	92	129	166	203	240
EMC			YES		
Certification			CE/EC 62619/UN 38.3		
Ingressprotection			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

HIGH VOLTAGE BATTERY CLUSTER CONTROL BOX	
Model	Control box
Operating voltage [V]	185.6～691.2
Nominal charge/discharge current [A]	20
Max.charge/discharge current [A]	40
Operating temperature range [°C]	-20～60
Ingress protection	IP65
Dimension [WxDxH mm]	600*400*170
Weight approximate [kg]	13.5±1



HIGH VOLTAGE BATTERY MODULE	
Model	Battery module
Battery type	LiFePO4
Nominal voltage	102.4
Rated capacity [Ah]	40
Rated energy [kWh]	4.096
Nominal charge/discharge current [A]	20
Peak discharge current [A]	40
Charge temperature [°C]	2～48
Discharge temperature [°C]	-18～58
Ingress protection	IP65
Dimension [WxDxH mm]	600*400*170
Weight approximate [kg]	37±1

BATTERY MODULE BASE	
Model	Base
Dimension [WxDxH mm]	600*400*50
Weight approximate [kg]	4.5±0.5

COMMUMICATION CABLE	
Model	2M silver external communication cable (RJ45-M19)
Standard 2-meter communication cable connected to the external device	

① ②

COMMUMICATION	
Model	
① RJ 45 crystal head _ class 5 _ with metal shield	
② LP-16-C / RJ 45 / 015 / PE-42-001, with RJ 45 at one end	

PHOTO VOLTAIC CONNECTOR-Positive	
Model	
Staubli-PV-KBT4- EVO ST/10II	

PHOTO VOLTAIC CONNECTOR-Negative	
Model	
Staubli-PV-KBT4- EVO ST/10II	