

CONTAINER ENERGY STORAGE SYSTEM

DC SIDE(20-FOOT CONTAINER):

LBS-G20-HV-4180/5016

AC SIDE:

LEG-1725K/2500K/3450K/5000K-UD-35



Integrated system solution
without on-site
installation
and commissioning



Separation of electrical
and battery compartments
to prevent thermal
runaway from spreading



Multiple capacity designs
Meets the needs of
multiple applications



Multi-protection design
Higher security



PV power
station



Wind power
station



Industrial
and commercial



Grid side



Hybrid charging



Microgrid



Model	LBS-G20-HV-4180	LBS-G20-HV-5016
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Battery

Rated Charge/Discharge Performance	0.5C	
Battery Capacity [Ah]	314	
Battery Rated Voltage [V]	1331.2	
Operating Voltage Range [V]	1164.8~1497.6	
Rated Capacity [kWh]	4179.97	5015.96
System Battery Configuration	(1P416S)*10P	(1P416S)*12P

General Parameters

Ingress Protection	IP54/IP55	
Cooling Method	Liquid Cooling	
Fire Fighting System	Aerosol	
Relative Humidity	0~95%, Non-condensing	
Operating Temperature [°C]	-20~+50	
Altitude [m]	4000 (> 2000 Derating)	
Communication	CAN/RS485/Ethernet	
Communication Protocol	Modbus/IEC104/IEC61850	
Weight [T]	≈37	≈42
Dimension (W*D*H) [mm]	6058*2438*2896	

Product Certifications

Certificates	IEC 62619,IEC 62477,IEC 63056,IEC 61000,UL 1973,UL 9540A,NFPA 855
Safe Transportation	UN3536、UN38.3

Model	LEG-1725K-UD-35	LEG-2500K-UD-35	LEG-3450K-UD-35	LEG-5000K-UD-35
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AC Side Parameters

Rated Output Power [kW]	1725	2500	3450	5000
Rated Output Voltage [kV]	6~35			
Rated Output Frequency [Hz]	50/60			
Power Factor	1 (0.9 Leading - 0.9 Lagging)			

Transformer Parameters

Rated Capacity [kVA]	1725	2500	3450	5000
Voltage Transformation Ratio [kV/kV]	0.69/6~35			
Connection Group	DY11			
Transformer Type	Dry Type/Oil-immersed			

General Parameters

Ingress Protection	IP54/IP55			
Cooling Method	Forced Air Cooling			
Relative Humidity	0~95%, Non-condensing			
Operating Temperature [°C]	-20~+50			
Altitude [m]	4000 (> 2000 Derating)			
Communication	CAN/RS485/Ethernet			
Communication Protocol	Modbus/IEC104/IEC61850			
Weight [T]	≈14	≈16	≈17	≈22.5
Dimension (W*D*H) [mm]	6058*2438*2896			12192*2438*2896

* Grid side voltage 6-35kV optional.The size and parameters of customized models are subject to change, and the latest information of our company shall prevail without further notice.