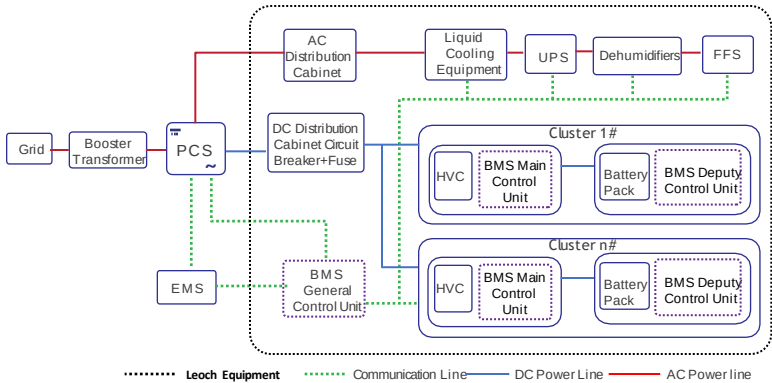


5MWh 20-Foot Battery Energy Storage System
Epoch-B5015-20L



- High Energy Efficiency
- Long Life
- Safe and Reliable
- Easy Configuration



System Model	Epoch-B5015-20L
Battery Parameters	
Rated Voltage	1331.2V
Working Voltage	1164.8~1476.8 V
Single Cell	314Ah/3.2V
Battery Module	314Ah/166.4V
Battery Clusters	314Ah/1331.2V
Battery Storage Systems	3768Ah/1331.2V
Operation Temperature Range	-20~55℃
Storage Temperature Range	-30~60℃
Operation Humidity	0%~95%
Standard Charge/Discharge Power	0.5P
Round Trip Efficiency	≥95%
DC Side Parameters	
Cell Type	LFP 314Ah
Grouped Configurations	1P52S
Cluster Configuration	1P416S/ 8 modules
System Configuration	12*1P416S
Nominal Battery Capacity	5015kWh
Battery Voltage Range	1164.8~1476.8Vdc
Charge/Discharge Ratio	0.5P
Cycles	≥8000 times, 100% DOD, 70% SOH
Anti-Corrosion Grade	C3~C5
Dimension(W*D*H)	6058*2438*2896mm
Weight	About 43t
Ingress Protection	IP55
Altitude	≤2000m(Derating over 2000 meters)
Cooling Method	Intelligent Liquid Cooling
Fire Protection System	Natural Gas Detection +Aerosol Fire Fighting + Sprinkler Fire Fighting + Ventilation + Explosion Relief System
Communication Interface	RS485,CAN,LAN
Certifications	UL1973,UL9540A,FCC,IEC62619,IEC 62477-1,IEC61000, UN3480 UN3536, IEC63056, IEC62933-5-2, EU2023/1542

Application Scenario

- Utility-Scale ESS
- Renewable Power Plant Integration
- Frequency Regulation
- Grid Stabilization
- Peak Shaving
- Large Microgrid