



BESS SPECIFICATION

All in One Series

Distributed Air Cooled BESS System	
Model	LP5000BESS
Stored Battery Power	5015kWh
Battery	
Battery Stack	12*1P416S
Rated Voltage	1331.2VDC
DC Voltage Range	1164.8VDC~1497.6VDC
Charge/Discharge Rate	0.5P
Protection Class	IP54
Loading Capacity 20' GP	1 units
Discharge Temperature Range	-20~50° C(> 40°C derating)
Humidity	0~95%(No Condensation)
Max Altitude	≤2000m
Dimension(mm)	2438mm*6058mm*2896mm(ISO 20' HQ)
Cell Type	LFP(LiFePO ₄)
Cell Capacity	314Ah
Pack Capacity	104.5 kWh
Pack Rated Voltage	332.8 VDC
Cyclic Life	8000 Times(0.5C@80%DOD)
Battery Voltage of Rack	1331.2 VDC
Rack Capacity	417.99 kWh
Connection of Pack	416S1P
Cooling System	
Battery Cabin	Liquid Cooling
Liquid-cooled unit	60KW
Quantity	1
Protection Device	
Fire Suppressant	Aerosol (CE), water inlet valve reserved
DC Side	Disconnect Switch & Fuse
Sensor	Smoke,temperature, Gas detector
High-Voltage Box	
High-Voltage Box	250A/1500V
Quantity	12
General Data	
Dimension(mm)	40' GP
Weight	44T
Certificates	CE LVD IEC 62477, CE EMC IEC 61000
Compatible Diesel Generator	
Rated Power	≤2500KW
Rated Voltage	400 / 480V
Rated Frequency	50 / 60 Hz