



BESS SPECIFICATION

All in One Series

Distributed Air Cooled BESS System	
Model	LP1000BESS
Stored Battery Power	1044kWh
Battery	
Rated Output Power@25°C	500kW
Rated Output Voltage	400V@50Hz,3ph
Battery Storage Capacity	1003.5kWh
Operating Temperature Range	-20~50°C(> 45°C derating)
Max altitude	3000m(> 2000m derating)
Cell Type	LFP(LiFePO ₄)
Pack Model	MF51280
Pack Capacity	14.336kWh
Pack Rated Voltage	51.2VDC
Cyclic Life	6000(0.5C@90%DOD)
Charger/Discharge Current	140A(0.5C)
Battery Voltage of Rack	716.8VDC
Connection of Pack	14S5P
PCS	
Battery Voltage Range	600~900VDC
Max. Current (AC)	794A
Max. Output Power	550kW
Rated Output Power	500kW
Rated Voltage	400Vac
Rated Frequency Range	50/60Hz(± 2.5Hz)
PF	1 lagging-1 leading
AC Connection	3W+N+PE
Max. Efficiency	98.2%
Transformer	Optional
Communication	CAN/RS485/Ethernet/WIFI
Certificates	CE LVD IEC 62477, CE EMC IEC 61000
General Data	
Dimension(mm)	20' GP
Weight	18T
Compatible Diesel Generator	
Rated Power	≤500 kW
Rated Voltage	400 / 480V
Rated Frequency	50 / 60 Hz