



BESS SPECIFICATION

All in One Series

Distributed Air Cooled BESS System

Model	LP500BESS
Stored Battery Power	522kWh

Battery

Cell Type	LFP(LiFePO4)
Pack Capacity	52.25kWh
Pack Rated Voltage	166.4VDC
Cyclic Life	8000(0.5C@90%DOD)
Battery Voltage of Rack	832VDC
Connection of Rack	5S4P

PCS

Max. Current (AC)	728A
Max. Output Power	600kW
Rated Output Power	500kW
AC Input Voltage Range	380-415Vac
Rated Frequency Range	50/60Hz(±2.5Hz)
PF	1 lagging-1 leading
AC Connection	3W+N+PE
Max. Efficiency	99%
Transformer	NA
Communication	CAN/RS485
Grid-tied Certificates	EN50549,NRS 097, C10/11,VDE4105, G99
Safety & EMC Certificates	IEC61000, IEC62477

EMS

Display and Monitor	Local screen
Function	Energy management and coordinated control of energy storage system

General Data

Dimension(mm)	10-Foot Containers
Weight	9T

Compatible Diesel Generator

Rated Power	≤250 kW
Rated Voltage	400 / 480V
Rated Frequency	50 / 60 Hz