



# BESS SPECIFICATION

All in One Series

Distributed Air Cooled BESS System			
Model	LP250BESS	LP350BESS	LP400BESS
<b>AC Output</b>			
AC Voltage Range	230-400VAC +/-2%	230-400VAC +/-2%	230-400VAC +/-2%
Frequency Range	50Hz +/-0.5%	50Hz +/-0.5%	50Hz +/-0.5%
Stored Battery Power	261kWh	366kWh	430kWh
Inverter Rated Power	125kW	125kW	200kW
Continuous Power @25° C	125kW	125kW	200kW
Maximum Feed Through Current	3*225A	3*225A	3*360A

AC Output – Inverter			
AC Voltage Range	600-1000VDC	1000-1500VDC	[ 630-900VDC ]*2
Input Frequency	50Hz/60Hz ± 2.5Hz	50Hz/60Hz ± 2.5Hz	[ 50Hz/60Hz ± 2.5Hz ]*2
Maximum Feed Through Current	3*225A	3*225A	[ 3*180A ]*2
Weight	50kg	115kg	[ 50kg ]*2
Dimension(mm)	520(W)*186(H)*680(L)	750(W)*275(H)*820(D)	960(W)*176(H)*620(D)

Connections			
Input	1*250A Plastic shell breaker	1*315A Plastic shell breaker	1*375A(3 phases)
Output	1*63A(3 phases) 2*125A(3 phases)	2*63A(3 phases) 2*125A(3 phases)	2*63A(3 phases) [ 2*125A(3 phases) ]*2

Battery			
Charging & Discharging Cycle Efficiency	0.5	0.5	0.5
Cellular specification	314Ah 51.2V	314Ah 51.2V	314Ah 51.2V
Usable Capacity	16kWh	16kWh	16kWh
Normal Output	8kW	8kW	8kW
Normal Voltage	51.2VDC	51.2VDC	51.2VDC
Efficiency	95%	95%	95%
Battery Management System	Yes	Yes	Yes
Active Balancing System	Yes	Yes	Yes
Voltage Range	48.8-57.6V	48.8-57.6V	48.8-57.6V
Communication Interfaces	RS485/CAN	RS485/CAN	RS485/CAN
Life Span Cycle	5000 ( +25°C, 0.5C )	5000 ( +25°C, 0.5C )	5000 ( +25°C, 0.5C )
Weight	103 ± 1.5kg	103 ± 1.5kg	103 ± 1.5kg
Dimension(mm)	753.1(L)*476.0(W)*230.0(H)	753.1(L)*476.0(W)*230.0(H)	753.1(L)*476.0(W)*230.0(H)

General Data			
Dimension(mm)	1100*1400*2400	10-Feet Containers	10-Feet Containers
Weight	2.6T	4T	8.5T

Compatible Diesel Generator			
Rated Power	≤ 125 kW	≤ 175 kW	≤ 200 kW
Rated Voltage	400 / 480V	400 / 480V	400 / 480V
Rated Frequency	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz