



BESS SPECIFICATION

All in One Series

Distributed Air Cooled BESS System			
Model	LP50BESS	LP100BESS	LP200BESS
AC Output			
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	50.4kWh	107kWh	215kWh
Inverter Rated Power	35kW	50kW	100kW
Continuous Power @25° C	35kW	50kW	100kW
Maximum Feed Through Current	3*63A	3*90A	3*180A

AC Output – Inverter			
AC Voltage Range	190–300VDC	600–850VDC	630–900VDC
Input Frequency	50Hz/60Hz ± 2.5Hz	50Hz/60Hz ± 2.5Hz	50Hz/60Hz ± 2.5Hz
Maximum Feed Through Current	3*63A	3*90A	3*180A
Weight	35kg	40kg	50kg
Dimension(mm)	480(W)*173(H)*550(D)	480(W)*176(H)*620(D)	480(W)*176(H)*620(D)

Connections			
Input	1*32A(3 phases)	1*63A(3 phases)	1*125A(3 phases)
Output	2*32A(3 phases) 1*63A(3 phases)	2*63A(3 phases) 1*125A(3 phases)	1*63A(3 phases) 2*125A(3 phases)

Battery			
Charging & Discharging Cycle Efficiency	0.5	0.5	0.5
Cellular specification	314Ah 51.2V	280Ah 51.2V	280Ah 51.2V
Usable Capacity	16kWh	14.3kWh	14.3kWh
Norminal Output	8kW	7.15kW	7.15kW
Norminal 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)	1350(W)*1500(H)*1100(D)	1810(W)*1800(H)*1100+300(D)	1810(W)*2250(H)*1100+300(D)
Weight	1116kg	1987kg	2870kg

Compatible Diesel Generator			
Rated Power	≤25 kW	≤50 kW	≤100 kW
Rated Voltage	400 / 480V	400 / 480V	400 / 480V
Rated Frequency	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz