



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	50kWh	100kWh	200kWh
Invertor Rated Power	25kW	50kW	100kW
Continuous Power @25° C	25kW	50kW	100kW
Maximum Feed Through Current	3*45A	3*90A	3*180A

AC Output – Invertor

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*45A	3*90A	3*180A
Weight	40kg	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	280Ah 51.2V	280Ah 51.2V	280Ah 51.2V
Usable Capacity	14.3kWh	14.3kWh	14.3kWh
Norminal Output	7.15kW	7.15kW	7.15kW
Norminal Voltage	51.2VDC	51.2VDC	51.2VDC
Efficiency	95%	95%	95%
Battery Managment 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



BESS SPECIFICATION

All in One Series

Distributed Air Cooled BESS System

Model	LP250BESS	LP300BESS	LP400BESS
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	250kWh	300kWh	400kWh
Inverter Rated Power	125kW	150kW	200kW
Continuous Power @25° C	125kW	150kW	200kW
Maximum Feed Through Current	3*225A	3*270A	【 3*180A 】 *2

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*270A	【 3*180A 】 *2
Weight	65kg	115kg	【 50kg 】 *2
Dimension(mm)	520(W)*186(H)*680(L)	750(W)*275(H)*820(D)	【 480(W)*176(H)*620(D) 】 *2

Connections

Input	1*250A Plastic shell breaker	1*315A Plastic shell breaker	【 1*125A(3 phases) 】 *2
Output	1*63A(3 phases) 2*125A(3 phases)	2*63A(3 phases) 2*125A(3 phases)	【 1*63A(3 phases) 2*125A(3 phases) 】 *2

Battery

Charging & Discharging Cycle Efficiency	0.5	0.5	0.5
Cellular specification	280Ah 51.2V	280Ah 51.2V	280Ah 51.2V
Usable Capacity	14.3kWh	14.3kWh	14.3kWh
Norminal Output	7.15kW	7.15kW	7.15kW
Norminal Voltage	51.2VDC	51.2VDC	51.2VDC
Efficiency	95%	95%	95%
Battery Managment 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℃, 0.5C)	5000 (+25℃, 0.5C)	5000 (+25℃, 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)	2200(W)*2250(H)*1100+300(D)	2500(W)*2250(H)*1100+300(D)	【 1810(W)*2250(H)*1100+300(D) 】 *2
Weight	3358kg	4885kg	5740kg