C&I On / Off-Grid ESS

1. Maximum product flexibility:
JESS's commercial product platform carries the full range of storage product from 20 kWh up to 1MWh to cater to each individual need.

2. Industry leading cycle performance:
We lead the industry with cell cycle of more than 6000 times. More than enough for majority of renewable energy scenario.

3. Easy installation:
System is designed with quick installation each step of the way.

LiFePO4 battery compatible with reliability and energy density

Small footprint, flexible installation, easy maintenance

Advanced thermal management system

High charge/discharge efficiency

Modular design, quick delivery, expansion to MW-level system

Application

Circuit Diagram

Pack Configuration

System could be designed according to different Pack/Rack combination.

Rated Energy	7.68kWh	10.24kWh	11.52kWh
Battery type	LFP	LFP	LFP
Cell capacity	300Ah	200Ah	300Ah
Rated Voltage	25.6V	51.2V	38.4V
Max. Voltage	28.8V	57.6V	43.2V
Min. Voltage	22.4V	44.8V	33.6V
Rated Charge/Discharge C rate	1C/1C	0.5C/0.5C	1C/1C
Dimensions	517*676*168mm	450*850*168mm	715*630*168mm
Weight	76kg	100kg	110kg

Rack Configuration

Rated Energy	222.7kWh	143.3kWh
Rated Voltage	742.4 V	716.8 V
Operating voltage range	649.6-835.2 V	627.2- 806.4V
Rated capacity	300Ah	200Ah
Charge/discharge rate	1C	0.5 C
W*D*H Dimensions	2271 * 2465 * 700mm	1580 * 2461 * 950mm
Weight	2500kg	1730kg

PCS + Battery AC Couple

Item	Parameter
Rated power	30kW
AC voltage	400V
Frequency	50Hz
Pack	2P16S(200Ah)
Pack number	9
Dimensions(W*D*H)	2300mm*1000mm*1200mm
Protection level	IP55
DC voltage range	358.4V-460.8V
Capacity	81.92kWh
Integrated Controls	RS485/CAN/Ethernet
Compliance	UL9540,UL1973,UL1741

Hybrid Inverter DC Couple