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

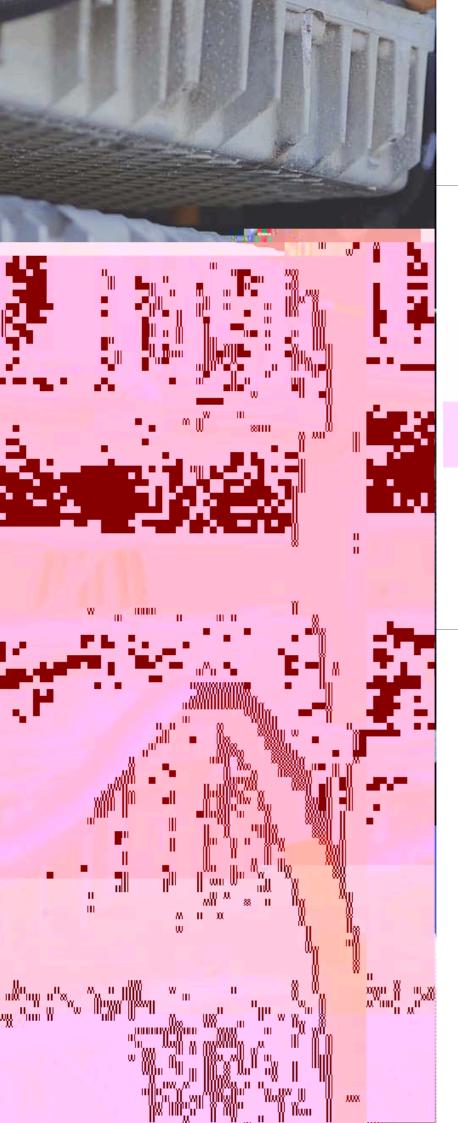
High charge/discharge efficiency



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

Application

Circuit Diagram



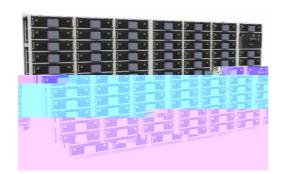
Pack Configuration

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



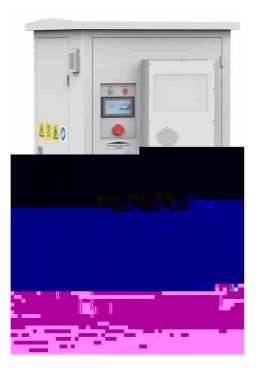
Battery type	LFP	LFP	LFP
Cell capacity	300Ah	200Ah	300Ah
Rated Voltage	25.6V	51.2V	38.4V
Max. Voltage	28.8V	57.6V	43.2V
Min. Voltage	22.4V	44.8V	33.6V
Rated Charge/Discharge C rate	1C/1C	0.5C/0.5C	1C/1C
Dimensions	517*676*168mm	450*850*168mm	715*630*168mm
Weight	76kg	100kg	110kg

Rack Configuration



742.4 V	716.8 V
649.6-835.2 V	627.2- 806.4V
300Ah	200Ah
1C	0.5 C
2271 * 2465 * 700mm	1580 * 2461 * 950mm
2500kg	1730kg
	649.6-835.2 V 300Ah 1C 2271 * 2465 * 700mm

PCS + Battery AC Couple



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

Hybrid Inverter DC Couple

