

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



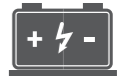
Smart building



Smart community

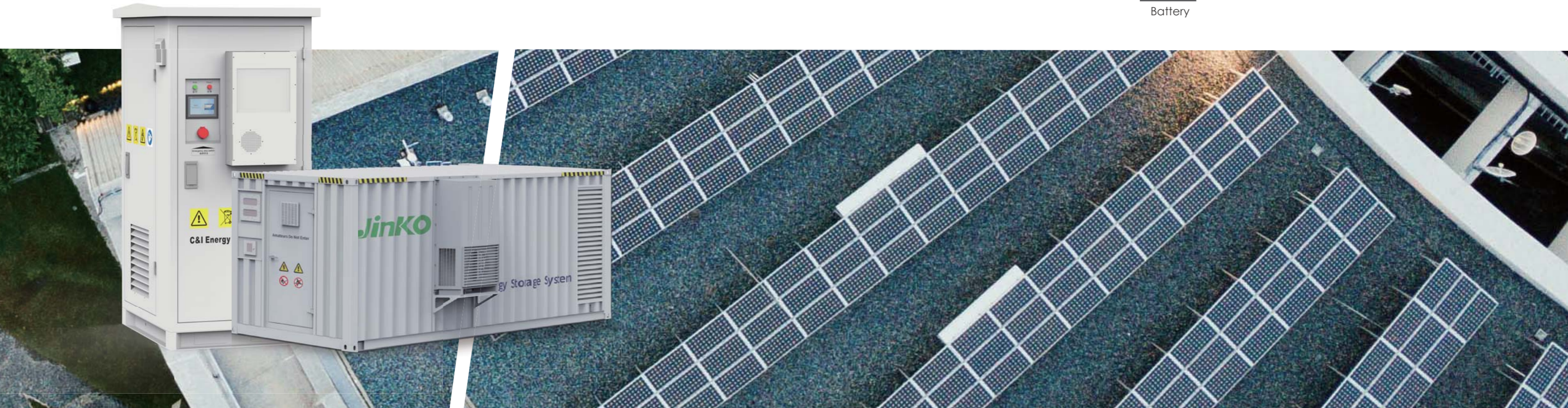
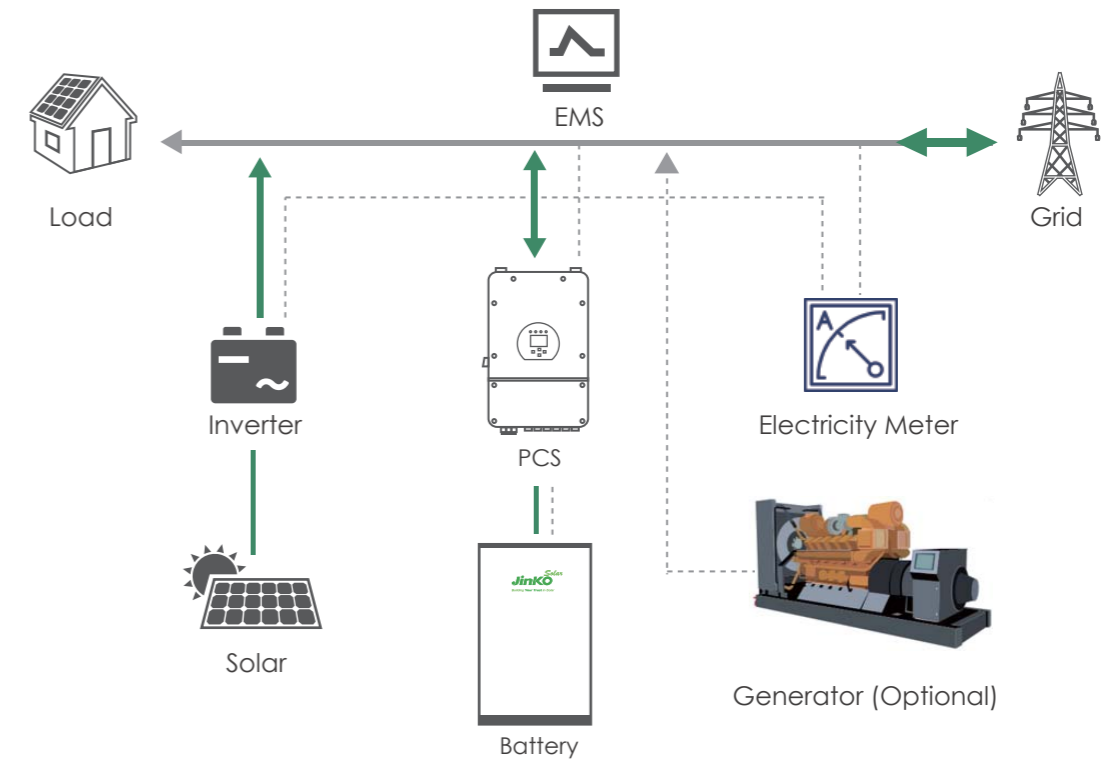


Microgrid applications



Emergency backup power

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
Battery chemistry	LFP
Max. Efficiency	88%
Ambient temperature	-30°C-50
System topology	AC couple

Hybrid Inverter DC Couple



Utility-interactive Mode		
Battery voltage range	400V (250~520V)	
PV Voltage Range	520~900V (MPPT 520V~800V)	
AC voltage	400V(340V~460V)	
Nominal power	50kVA	100kVA
AC frequency	50/60Hz(±2.5Hz)	
Stand-alone Mode		
Battery voltage range	250~520V	
PV Voltage Range	520~900V (MPPT 520V~800V)	
AC output voltage	400V(±10% configurable)	
Nominal AC output	50kVA	100kVA
AC frequency	50/60Hz	
Physical		
Enclosure	IP20	
Size (W*H*D)	800*2160*800mm	
Weight	520kg	750kg
Other		
Peak efficiency	95.50%	95.50%
Compliance	CE LVD, IEC 62477, CE EMC, IEC 61000, AS61000 VDE 4105, AS4777	