

## JinkoSolar Empowers Vietnam's C&I Sector with Innovative 1.06MWh Energy Storage System

JinkoSolar, one of the largest and most innovative, has announced to have delivered its C&I storage system for a C&I project in Vietnam. The highly integrated 1.06MWh energy storage system, saving space and streamlining the installation process, will offer high profitability, safety, and flexibility to the customer.

JinkoSolar' s C&I ESS provides a variety of battery capacity options, ranging from 250kWh to 4MWh and are designed for applications that require energy storage for two to four hours. Thus, system is mainly used for peak shaving, peak valley arbitrage, and also assist electricity consumers in managing their electricity bills more efficiently. By charging the batteries during low-cost off-peak hours and discharging them during high-cost peak hours, businesses can significantly decrease their overall electricity expenses.

The project implemented 540kWh JinkoSolar C&I Energy storage system with 250kW power output. Notably, the system features a robust level of protection with an IP54 rating and is designed to operate within a wide temperature range spanning from -20° C to 40° C. This comprehensive safety and operational reliability framework were key factors in influencing the customer's decision to select JinkoSolar as their preferred provider for both solar panels and energy storage systems. This strategic choice aims to optimize the Internal Rate of Return (IRR) while ensuring seamless functionality.



Figure 1: Project Photos

# JKS270~810K-250P

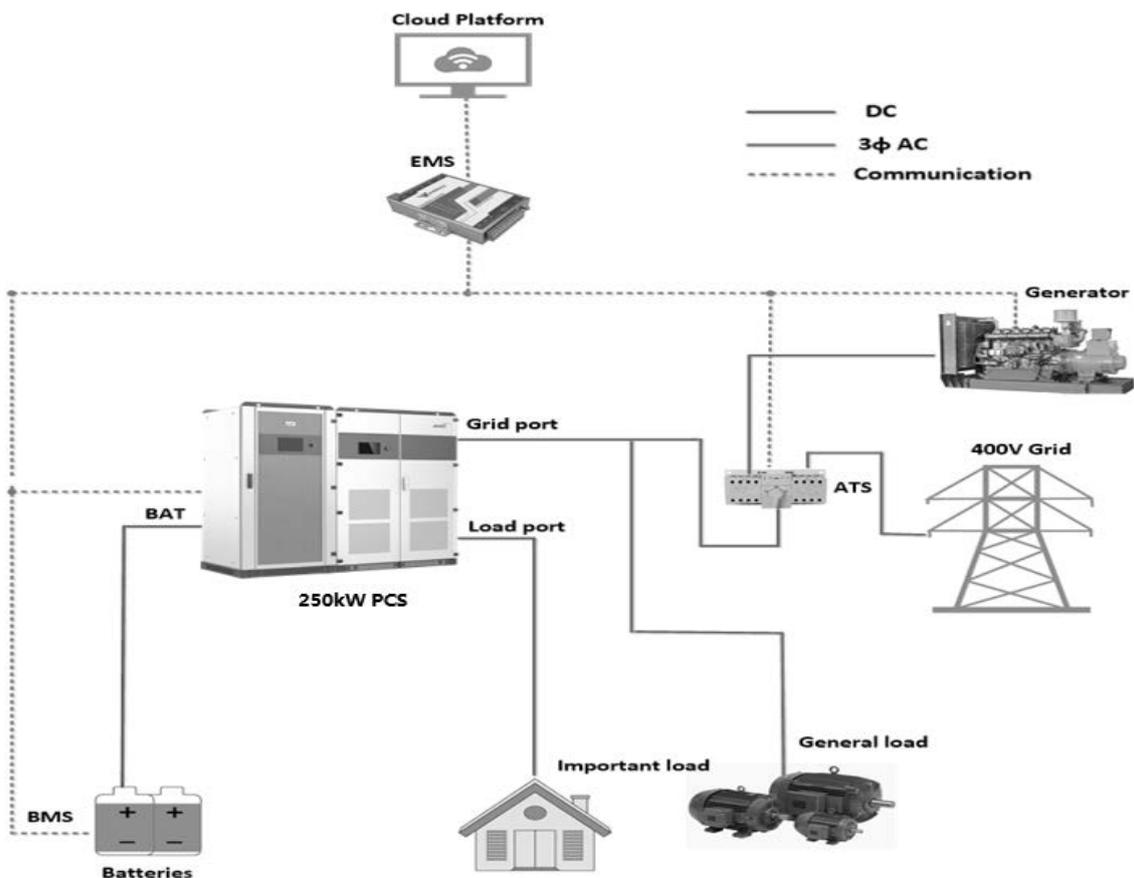


250kW-810kWh as reference

## Key Features

- Highly integrated system with various working modes
- Pre-populated transportation enables faster in-site installation
- LFP battery ensures longer battery life and higher safety
- Integrated and optimized fire protection design, higher security

## System Topology



## SYSTEM TECHNICAL SPECIFICATIONS

Item	JKS270K-250P	JKS540K-250P	JKS675K-250P	JKS810K-250P
<b>DC Data</b>				
Battery chemistry	Lithium Iron Phosphate (LFP)			
Cell life cycle	5,000 Cycles 1C@25°C 90%DOD	5,000 Cycles 0.5C@25°C 90%DOD		
Cell spec	3.2V/96Ah			
Battery system Configuration	2P11S	4P11S	5P11S	6P11S
DC rated energy capacity	270kWh	540kWh	675kWh	810kWh
Rated voltage	704V			
Voltage range	616V~792V			
BMS communication interface	RS485, Ethernet			
BMS communication protocol	Modbus RTU, Modbus TCP			
<b>AC Data</b>				
Rated AC power	250kW			
Maximum AC power	275kW			
Rated voltage	400V			
AC rate of current	361A			
THDi	≤3%			
Power factor	1(leading)~1(lagging)			
Rated frequency (Hz)	50/60 Hz			
AC connection	3W+N+PE			
<b>General Data</b>				
Dimension (W*D*H)	2,991*2,438*2,591mm	6058*2438*2591		
Weight	<10T	<20T		
Degree of protection	IP54			
Operating temperature range	-20~40°C			
Relative humidity	0~95% (non-condensing)			
Max. working altitude	3,000m			
Cooling concept of DC hatch	HVAC			
Communication interfaces	RS485, Ethernet, GPRS			
Certifications	UL1973, UL9540A, IEC62619, CE, UN38.3			

CAUTION: READ SAFETY AND INSTALLATION INSTRUCTIONS BEFORE USING THE PRODUCT.

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