

# Liquid Cooling ESS Solution

## JKE215K100LDLA

Jinko liquid cooling battery cabinet integrates battery modules with 1000V DC battery and capacity of 215kWh, and AC cabinet integrated with 100kW module PCS, transformer, etc. Also can be widely used in various application scenarios such as generation and transmission grid, distribution grid, new energy plants.



### HIGHLY INTEGRATED

- Configuration capacity with 5 modules with 215kWh.
- Liquid-cooled battery modular design, easy to system expansion

### RELIABLE AND SAFE

- Intelligent monitoring and linkage actions ensure battery system safety
- Integrated heating system for thermal safety and enhanced performance and reliability

### EFFICIENT AND FLEXIBLE

- The turnkey system is design to enhance higher efficiency and prolong battery life
- Highly integrated ESS for easy transportation and flexible O&M

### SMART SOFTWARE

- Multiple operation modes are available, the software can be customized and upgraded
- Cloud-based monitoring and operation platform supports the visit of Mysql database and multiple devices

### APPLICATION



#### PEAK SHAVING

Discharge at time of peak demand to reduce expensive demand charge.



#### ENERGY BACKUP

Powers a facility when the grid goes down, or application in areas without electricity.



#### CAPACITY FIRMING

Smooth out the intermittency of renewables by storing and dispatching when needed.



#### OPTIMIZATION THE UTILIZATION OF RENEWABLE

Daytime load maximizes PV power, and excess power is stored for use at night.



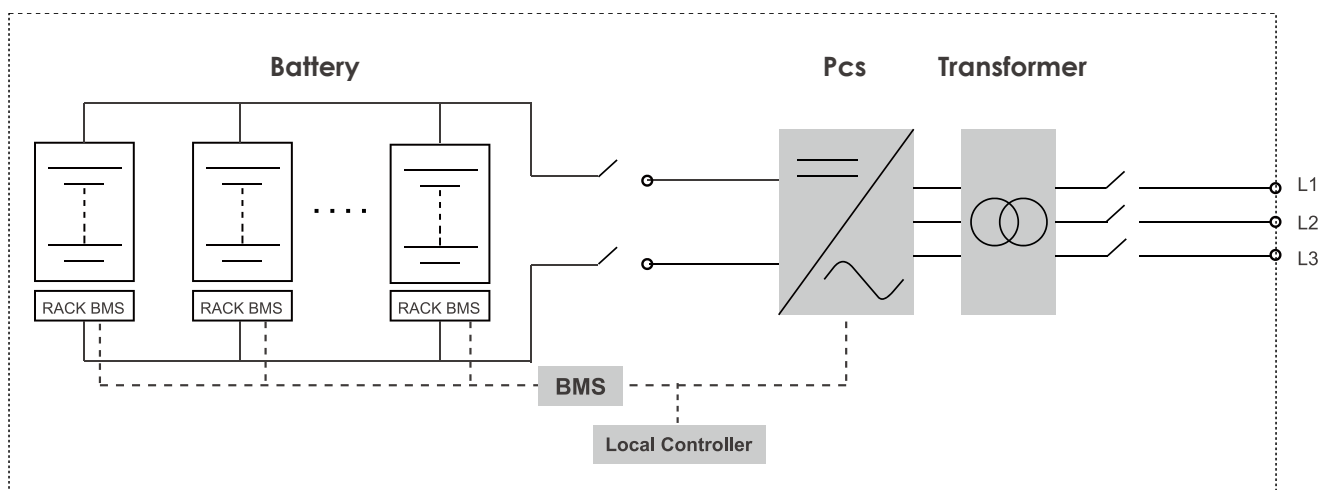
#### ARBITRAGE

Carry out arbitrage by using peak and valley electricity prices in different time periods.



#### COST SAVING

Supply power at a distributed location to reduce investment in the construction of the grid.



## BATTERY CABINET DATA

Battery model	LFP-3.2V/280Ah
Max. charging/discharging rate	≤0.5P
Configuration of system	1P240S
Max nominal energy	215kWh
Nominal voltage	768V
Battery voltage range	672V~864V
Cooling concept	Liquid cooling
Environment temperature	-20℃~ 50℃
Environment humidity	≤95%RH ,without condensation
Operating altitude	≤3000m
Degree of protection	IP54
Storage temperature	-20℃~ 45℃
Fire suppression system	FM200/Novec 1230/aerosol
Anticorrosion grade	C5 (EN ISO 12944)
Communication interfaces	Ethernet
Dimensions (W×D×H)	1300×1300×2300mm
Weight	≈2t
Certificates	IEC62619,UL9540A,UL1973,IEC61000.etc

## AC CABINET DATA

Nominal AC power	100kW
Nominal grid voltage	400Vac
Nominal grid frequency	50/60Hz
DC side voltage range	630V~900V
Dimensions(W * D * H)	700*1300*2300mm
Weight	≈1T
Operating temperature range	-20℃~+45℃
Allowable relative humidity range	≤95%RH,non-condensing
Operating altitude	≤2000m
Cooling concept	Intelligent forced air cooling
Noise emission	<80dB(A) @1m
Degree of protection	IP54
Anticorrosion grade	C5 (EN ISO 12944)
Seismic grade	7 level
Communication interfaces	RS485/CAN/Ethernet
Certificates	IEC62477,IEC61000,IEEE1547

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

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