



Energy storage system  
Your Green Energy Coagent



# Household energy storage system



## Brick series R5000

BRICK series home photovoltaic energy storage system is a new type of lithium iron phosphate battery and equipped with battery management system (BMS). Long life span, optimized sized with high energy density, flexible applicable in residential and commercial scenarios.



### Rack Mounted Lithium Battery System

- ✓ Extreme safety
- ✓ Outstanding scalability
- ✓ Flexible deployment
- ✓ High compatibility
- ✓ Good controllability
- ✓ Cost effective

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# PRODUCT SPECIFICATIONS

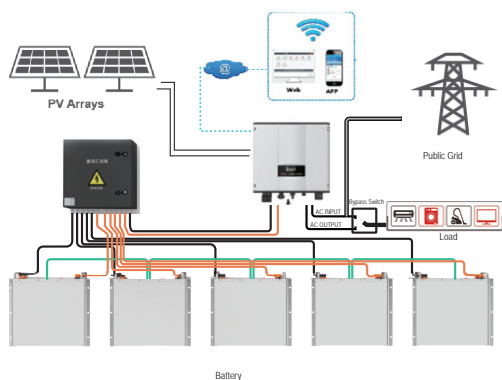
Item	Unit	R5000	R2500
Cell model	-	100Ah/3.2V	50Ah/3.2V
Combination Mode	-	1P16S	1P16S
Nominal Capacity	Ah	100	50
Rated energy	Wh	5120	2560
Initial Internal Resistance	mΩ	<50	<55
Rated Voltage	V	51.2	51.2
Charge Cut-off Voltage	V	56.8	56.8
Discharge Cut-off Voltage	V	46.8	46.8
Standard Charge Current	A	20	10
Max. Charge Current	A	≤100	≤50
Standard Discharge Current	A	50	25
Max. Discharge Current	A	≤100	≤50
Charge Temperature	°C	-0~+55 °C	
Discharge Temperature	°C	-20~ +55 °C	
Open Circuit Voltage	V	44~52.5	
Communication	-	RS485/RS232/CAN	
Weight	kg	45± 1	33± 1
Dimension	mm	408 (L)*440 (W)*132(H)	

Compatible inverter Brand:

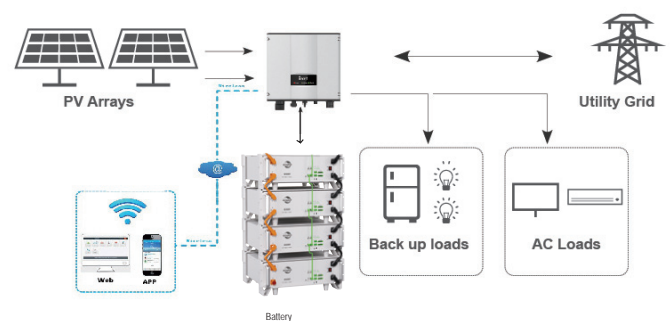


## Application topology of small off-grid energy storage system

### Wall-mount mode



### Rack Mode



Note:

1. The system supports multiple modules of up to 32 pcs in parallel combination to increase system capacity
2. Brick series R5000 module supports matching communication with mainstream inverter manufacturers, including Schneider, SMA, Studer, Victron, Growatt, Goodwe, Sungrow, Solis, Sofar, Sunsynk, Sermatec, and more.