Residential On/Off-Grid ESS

1. Safety first:

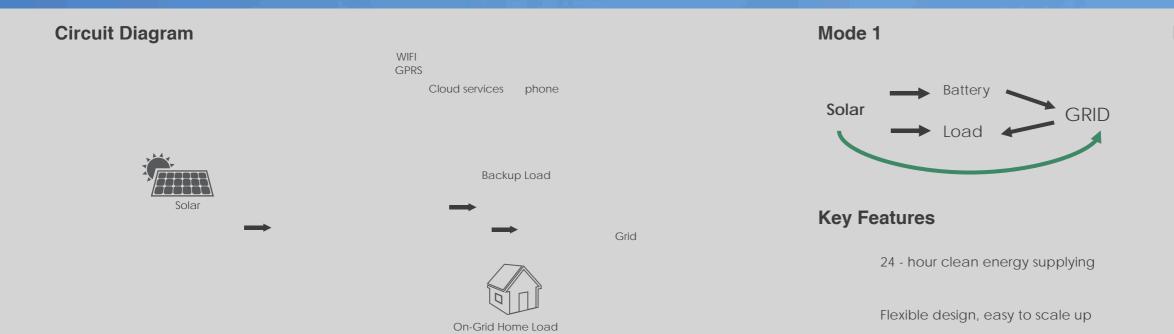
Product safety can never be compromised. That is why JESS residential product is designed with the safer choice of LFP battery technology. System is designed with redundancy at each level of system from rack to system.

2. Maximum return, minimum cost

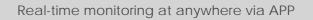
High system efficiency ensures that minimum energy is lost in transition. Competitively source components delivers maximum return with minimum cost.

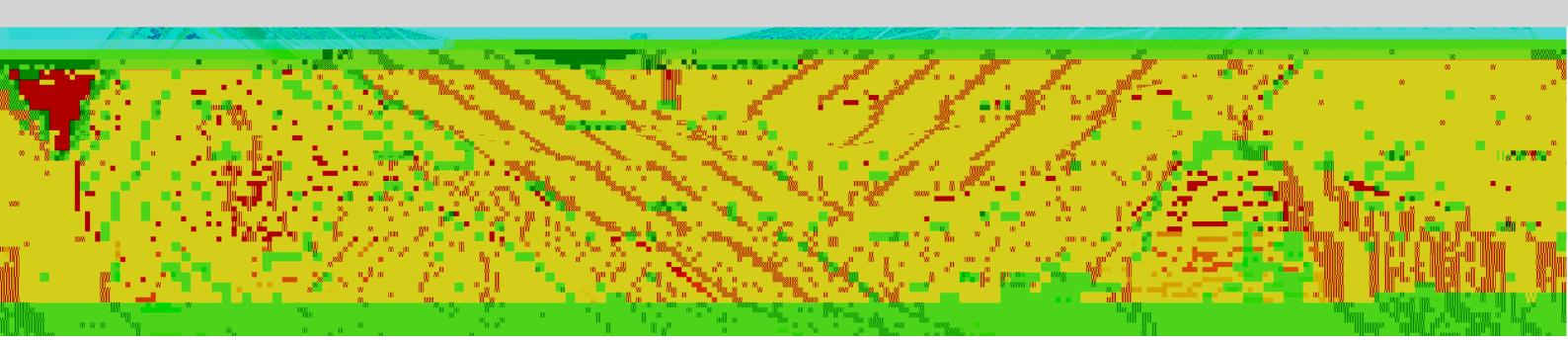
3. Easy home user platform:

We understand our home users want instant control and monitoring of their home systems. Hence, our APP delivers this capability regardless of whether your system is on Android or IOS.

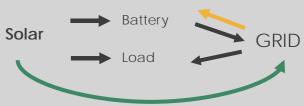


BAT



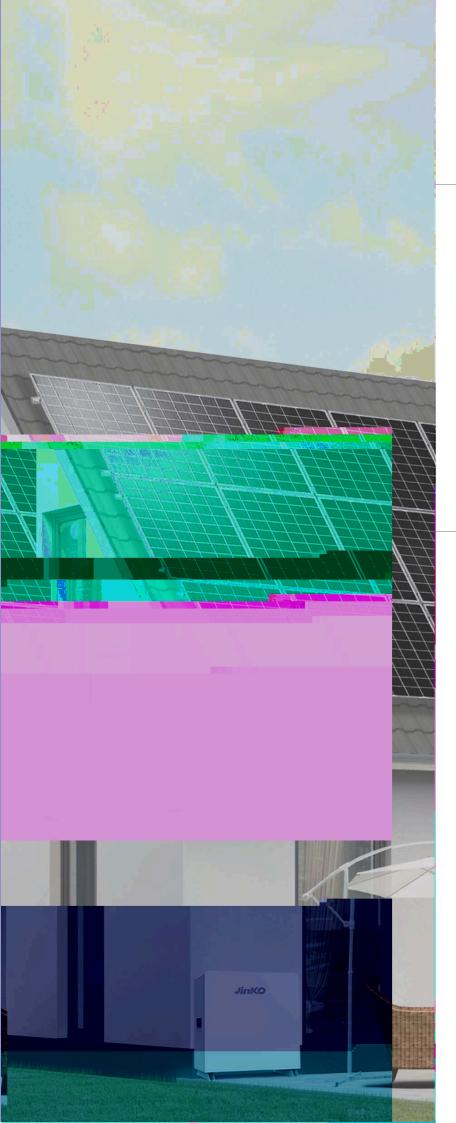


Mode 2

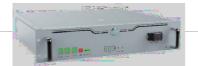


Fast, easy installation

Automatically on/off-grid switch



Pack Configuration



| Туре | Low Voltage |
|-------------------------------|-------------------|
| Battery type | LFP |
| Cell capacity | 50Ah |
| Rated capacity | 2.4kWh |
| Rated voltage | 48V |
| Max. ~Min.voltage | 42~52V |
| Rated charge/discharge C rate | 0.4C |
| W*D*H Dimensions | 482 x 91 x 433 mm |
| Weight | 24kg ± 1kg |

Low Voltage

System Specifications



INVERTER



Battery

| Item | 3.6kW-7.2kWh | 5kW-9.6kWh | Q = Q = N | |
|-----------------------|---|---------------------|-----------|--|
| Max. PV Input power | 4.68kW 6.5kW 10.4kW | | | |
| MPPT range | | 125-425V, Max. 500V | | |
| AC rated power | 3.6kW | 5kW | 8kW | |
| Output voltage | 230Vac (Single phase), 50/60 Hz | | | |
| Battery capacity | 7.2kWh | 9.6kWh | 19.2kWh | |
| Battery voltage | 48V, (Inverter:40-60V; BMS:42-51.5V) | | | |
| IP level | IP65 (inverter), IP55(Battery) | | | |
| Cycle life | •6000 cycles, 80%DOD, @25qC, 0.5Ck 70%EoL | | | |
| Operating mode | On grid/off grid, switch time <20ms | | | |
| Dimension (W*H*D, mm) | 680*233*420mm (Inverter); 570*1150*285mm (Battery) | | | |
| Weight | 24kg(5kW inverter) 32kg(8kW inverter), 133kg (9.6kWh/Battery cabinet) | | | |
| Monitoring | APP/Web | | | |
| BMS Communication | RS485 /CAN | | | |
| Certification | inverter: VDE0126, IEC621091/2, IEC61683 Battery module: IEC62619, UN38, 3 | | | |



| L | F | Ρ |
|---|---|---|
| | | |

25Ah

2.56kWh

102.4V

86.4~112V

0.5C/0.8C

440[~] 86[~] 520mm

27kg ± 1kg

Battery module: IEC62619, UN38.3

High Voltage



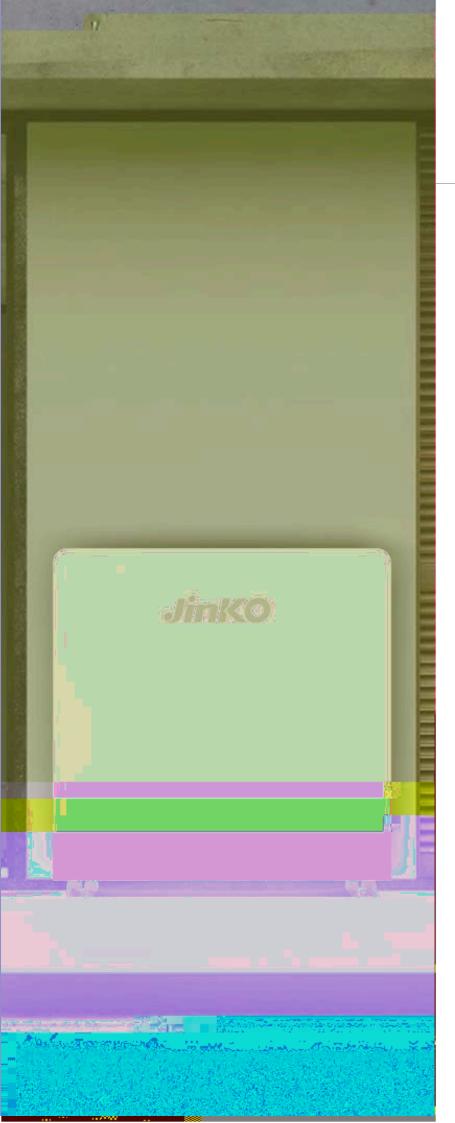


- allows up to 10% overloading to maximize power output and features.
- Uninterruptible Power Supply function (UPS) to inductive loads such as air conditioners or refrigerators with an automatic switchover time of less than 10 milliseconds.

10kW INVERTER

12.5kWh Battery cabinet

System Specifications



For single phase version Parameters

Self consumption Off-grid & AC Bypass



| Item description | 3kW-7.2kWh | 5k\ | |
|-----------------------|--|---------------|--|
| Max. PV Input power | 4kW | | |
| MPPT range | 30-115V,Ma | x. 145V | |
| AC rated power | 4kW | | |
| Output voltage | Single phase 230 | /ac 50/60 Hz, | |
| Battery capacity | 7.2kWh | | |
| Max. capacity | 4 cabinet in parallel | , Max. 38.4kW | |
| Battery voltage | 48V,(Inverter:40-60V;BMS:42-51.5) | | |
| IP level | IP20(inverter),IP55(Battery) | | |
| Cycle life | •6000 cycles,80%DOD,@25- 00.5C070% | | |
| Operating mode | Off gri | d | |
| Dimension (W*H*D, mm) | 295*468*120mm(Inverter);570*1150*285mm(Ba 140*303*525mm(Inverter) | | |
| Weight | 12.5&13.5kg(inverter),133 | Kg(Battery ca | |
| Monitoring | PC | | |
| BMS Communication | RS485 /I | JSB | |

W-9.6kWh

4kW

5kW

, -,

9.6kWh

Wh

5V)

0%EoL

Battery cabinet)

cabinet)