Residential On/Off-G

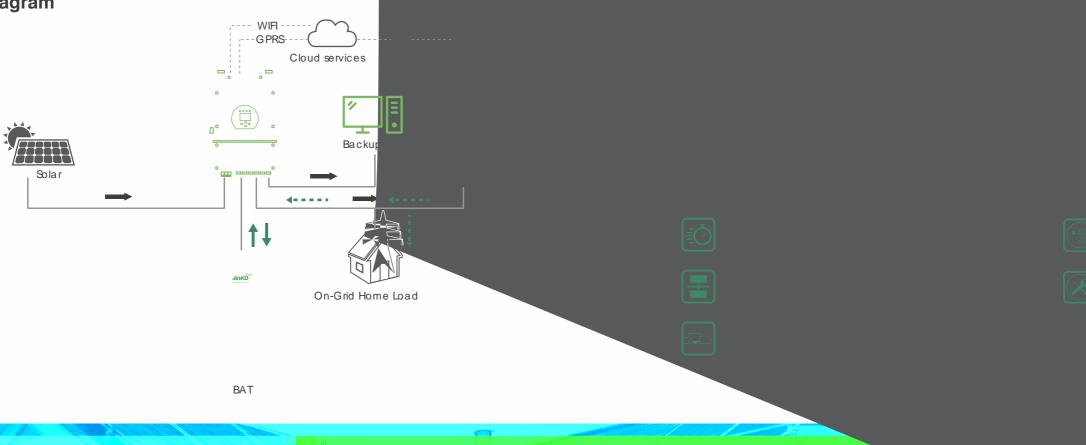
1. Safety first:

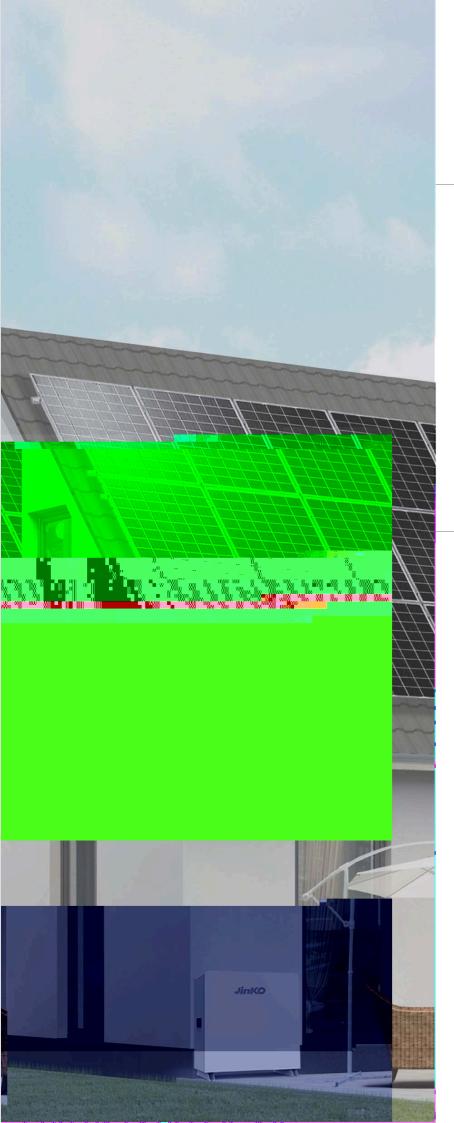
Product safety can never be compromised. That is why JESS residen with the safer choice of LFP battery technology. System is designed w level of system from rack to system.

2. Maximum return, minimum cost:

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

Circuit Diagram





Pack Configuration



3.6kW-7.2kWh



Туре	Low Voltage	High Voltage
Battery type	LFP	LFP
Cell capacity	50Ah	25Ah
Rated capacity	2.4kWh	2.56kWh
Rated voltage	48V	102.4V
Max. ~Min.voltage	42~52V	86.4~112V
Rated charge/discharge C rate	0.4C	0.5C/0.8C
W*D*H Dimensions	482 x 91 x 433 m m	440 86 520mm
Weight	24kg ± 1kg	27kg ± 1kg

5kW-9.6kWh

Q =

Q = N

Low Voltage

System Specifications



INVERTER



Max. PV Input power	4.68kW	6.5kW	10.4kW
MPPTrange	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, @25 &, 0.5C k70%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		
BMSCommunication	RS485/CAN		
Certification	inverter: VDE0126, IEC 62109 1/2, IEC 61683 Battery module: IEC 62619, UN38.3		

High Voltage

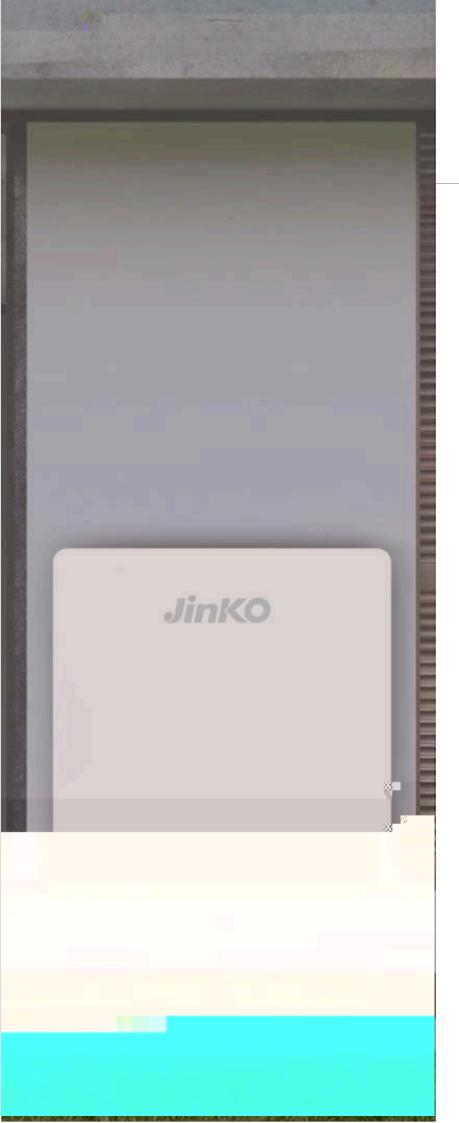


10kW INVERTER

12.5kWh Battery cabinet

System Specifications

- 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.



For single phase version Parameters

Self consumption
Off-grid & AC Bypass



Item description	3kW-7.2kWh	5kW-9.6kWh	
Max. PV Input power	4kW	4kW	
MPPTrange	30-115V,Max. 145V		
AC rated power	4kW	5kW	
Output voltage	Single phase 230Vac 50/60 Hz,		
Battery capacity	7.2kWh	9.6kWh	
Max. capacity	4 cabinet in parallel, Max. 38.4kWh		
Battery voltage	48V,(Inverter:40-60V;BM &42-51.5V)		
IP level	IP20(inverter),IP55(Battery)		
Cycle life	•6000 cycles,80%DOD,@25 - 00.5C070%EoL		
Operating mode	Off grid		
Dimension (W*H*D, mm)	295*468*120mm(Inverter);570*1150*285mm(Battery cabinet) 140*303*525mm(Inverter)		
Weight	12.5&13.5kg (inverter),133Kg (Battery cabinet)		
Monitoring	PC		
BMSCommunication	RS485 / USB		