Off Grid Solar System

EU Voltage

SP-5.5KW-OFF

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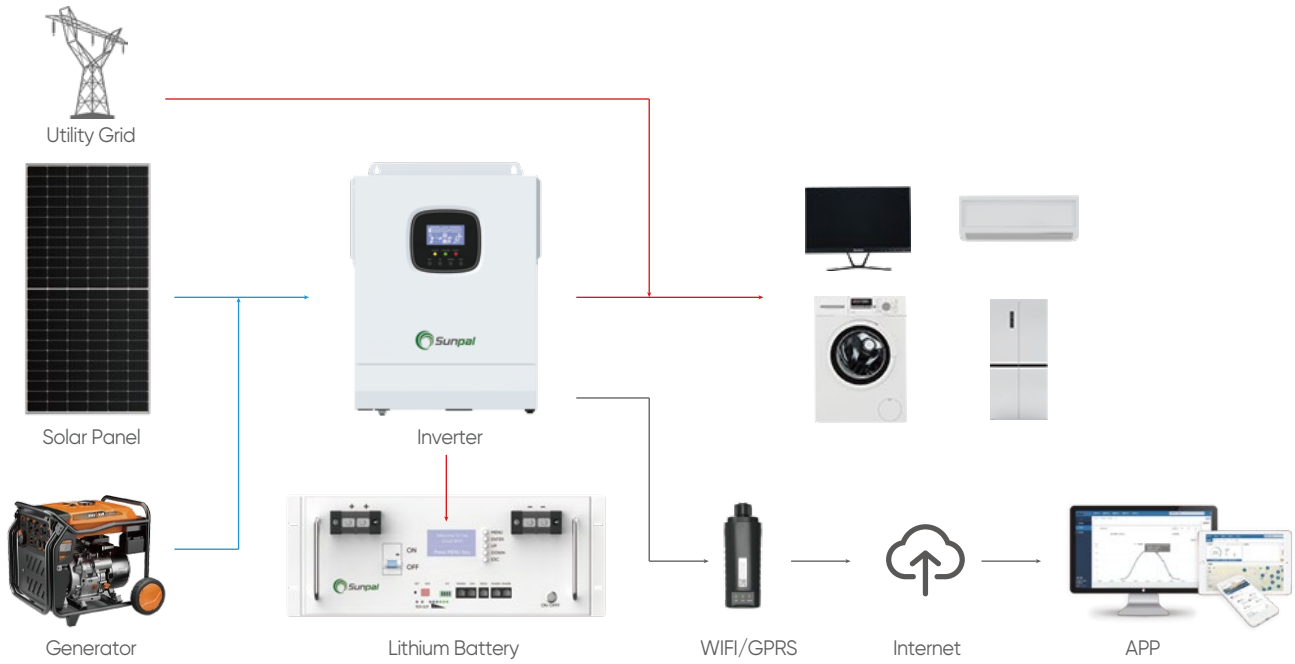
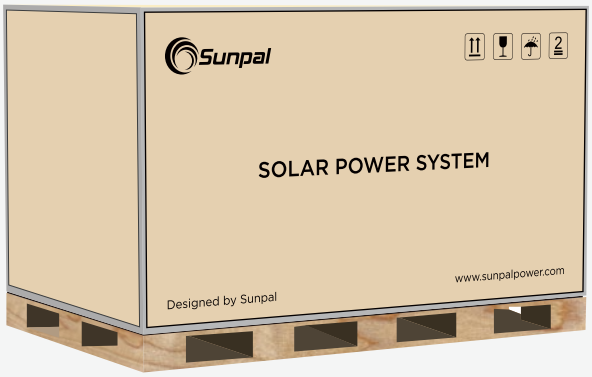
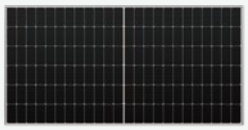
SP-5.5KW-OFF

(Residential Off Grid Solar System)



SOLAR SYSTEM KIT



Solar Panel	Lithium Battery	Solar Inverter	Wifi Monitor
			
PV Cable	MC4 Connector	Mounting Bracket	DC Switch/AC Switch(Optional)

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PV Module

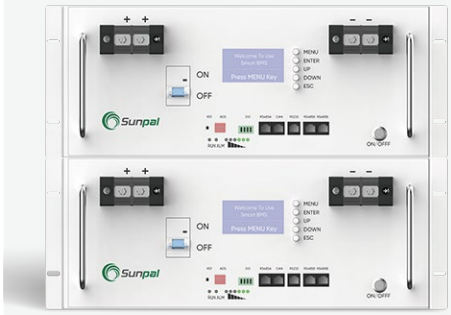
- Positive power tolerance (0~+5W) guaranteed
- Reduced resistive loss with lower operating current
- Higher energy yield with lower operating current
- Reduced hot spot risk with optimized electrical design and lower operating current

Parameter	
Testing Condition	STC
Maximum Power(Pmax/W)	560W
Open Circuit Voltage(Voc/V)	49.84
Short Circuit Current(Isc/A)	14.14
Voltage at Maximum Power(Vmp/V)	41.08
Current at Maximum Power(Imp/A)	13.64
Module Efficiency(%)	21.67

560W

Mono-crystalline Silicon Solar Panel

Lithium Battery



48V 200Ah

Rack-Mounted LiFePO4 Battery

- High Specific Energy
- Support Parallel Operation
- Easy Installation
- Long Cycle Life

Parameter	
Nominal Capacity	200Ah
Nominal Voltage	48V
Max.Charging Current	100A
Max.Discharging Current	100A

Inverter

- Advanced MPPT with up to 99.9% efficiency
- Up to 6 units in parallel connection
- Easy to install and simple to use
- Supports Li-ion battery BMS communication

Parameter	
Rated Output Power	5500W
Rated Output Voltage/Frequency	230Vac, 50Hz/60Hz
No. of MPPT	1
MPPT Voltage Range	120-450Vdc
Battery Type	Lead-acid/Li-ion/User defined
Rated Battery Voltage	40～60Vdc

HSI-5500P

Inverter

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