

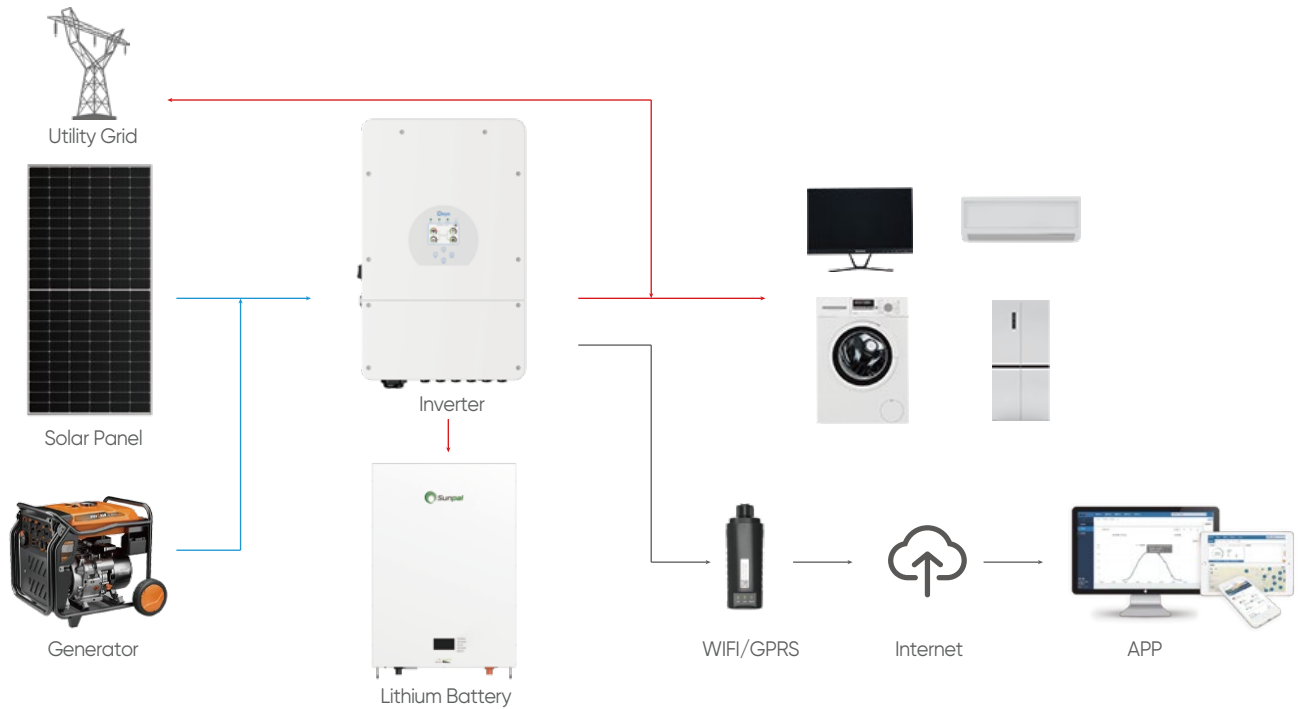
# Hybrid Solar System

## EU Voltage

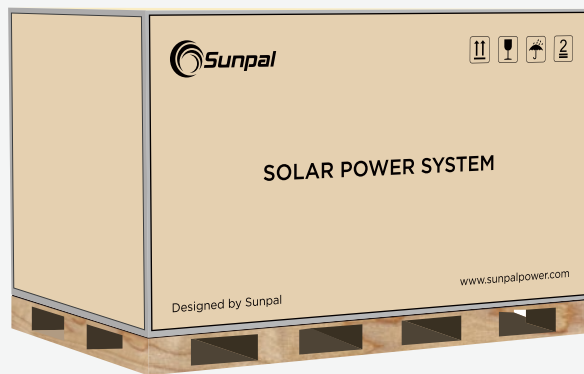
SP-12KW3-HY

# SP-12KW3-HY

(Residential Hybrid Solar System)



## SOLAR SYSTEM KIT



Solar Panel



Lithium Battery



Solar Inverter



Wifi Monitor



PV Cable



MC4 Connector



Mounting Bracket



DC Switch/AC Switch(Optional)



## 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)	580W
Open Circuit Voltage(Voc/V)	51.79
Short Circuit Current(Isc/A)	14.29
Voltage at Maximum Power(Vmp/V)	42.71
Current at Maximum Power(Imp/A)	13.58
Module Efficiency(%)	22.44



### 580w

TOPCon Bifacial Dual Glass 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

- Colorful touch LCD, IP65 protection degree
- AC couple to retrofit existing solar system
- 6 time periods for battery charging/discharging
- Support storing energy from diesel generator

Parameter	
<b>AC Output Data</b>	
Rated Output Power	12000W
Rated Output Voltage/Frequency	230/400Vac three phase, 50Hz/60Hz
<b>Battery Input Data</b>	
Battery Type	Lead-acid or Lithium-ion
Battery Voltage Range(V)	40-60
<b>PV String Input Data</b>	
No.of MPP Trackers	2
No.of Strings per MPP Tracker	2+1
MPPT Voltage Range(V)	200-650



### Deye 12KW

Inverter



Solar  
Systems

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