



HYBRID



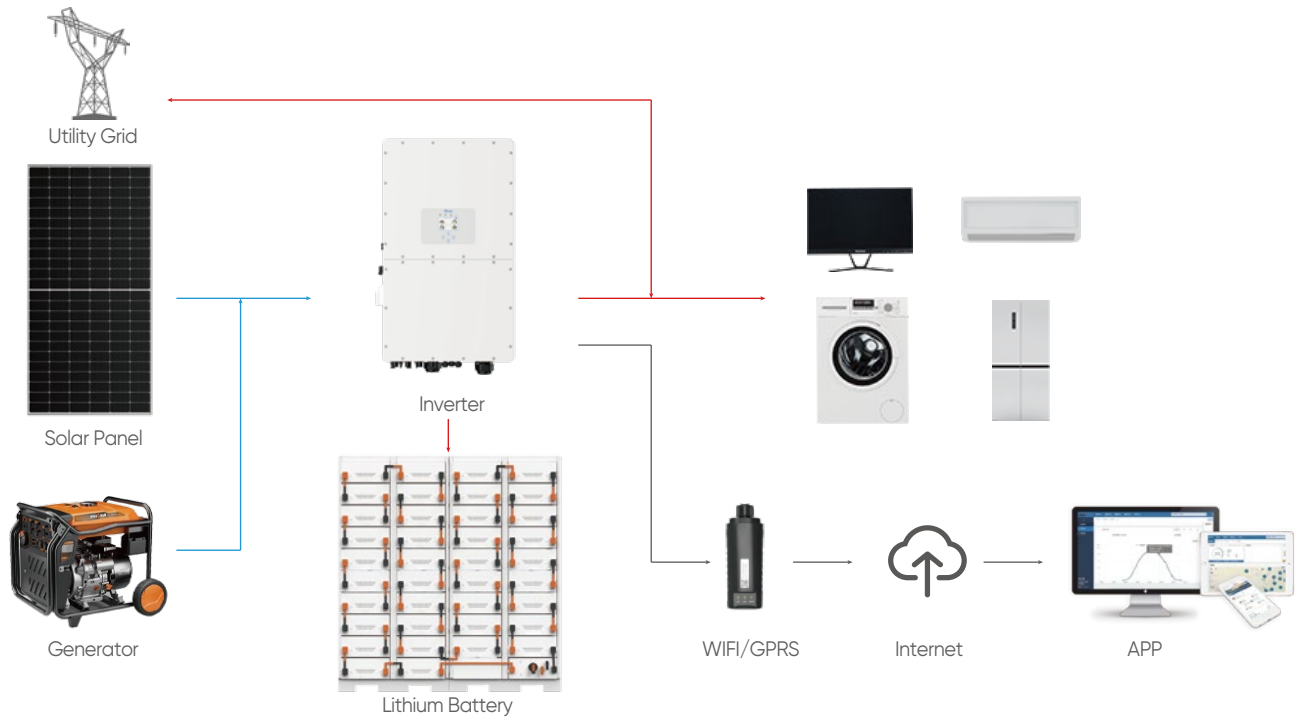
Hybrid Solar System

EU Voltage

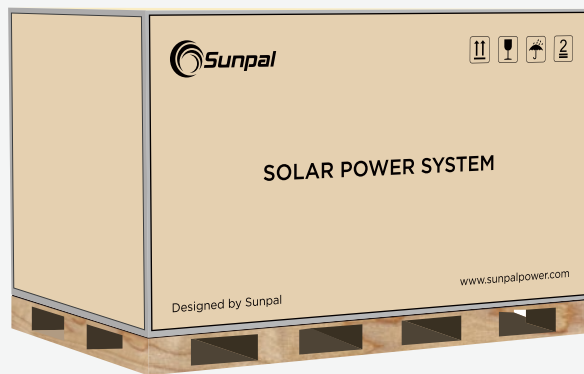
SP-50KW3-HY

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(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

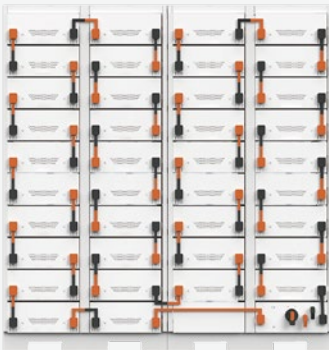
Testing Condition	STC
Maximum Power(Pmax/W)	580W
Open Circuit Voltage(Voc/V)	51.79
Short Circuit Current(Isc/A)	14.29
Voltage at Maximum Power(Vmp/V)	42.71
Current at Maximum Power(Imp/A)	13.58
Module Efficiency(%)	22.44



580w

TOPCon Bifacial Dual Glass Solar Panel

Lithium Battery



716.8v 280Ah

Rack-Mounted
LiFePO4 Battery

- Quick Customization of Electricity
- Easy Installation Flexible Expansion
- Emergency-Backup and Off-Grid Functionality
- Safety first Smart BMS system

Parameter

Nominal Capacity	280Ah
Nominal Voltage	716.8V
Max.Charging Current	140A
Max.Discharging Current	140A

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

AC Output Data

Rated Output Power	50000W
Rated Output Voltage/Frequency	230/400Vac three phase, 50Hz/60Hz

Battery Input Data

Battery Type	Lithium-ion
Battery Voltage Range(V)	160-800

PV String Input Data

No.of MPP Trackers	4
No.of Strings per MPP Tracker	2+2+2+2
MPPT Voltage Range(V)	150-850



Deye 50KW

Inverter



Solar
Systems

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