

# Home Power Station



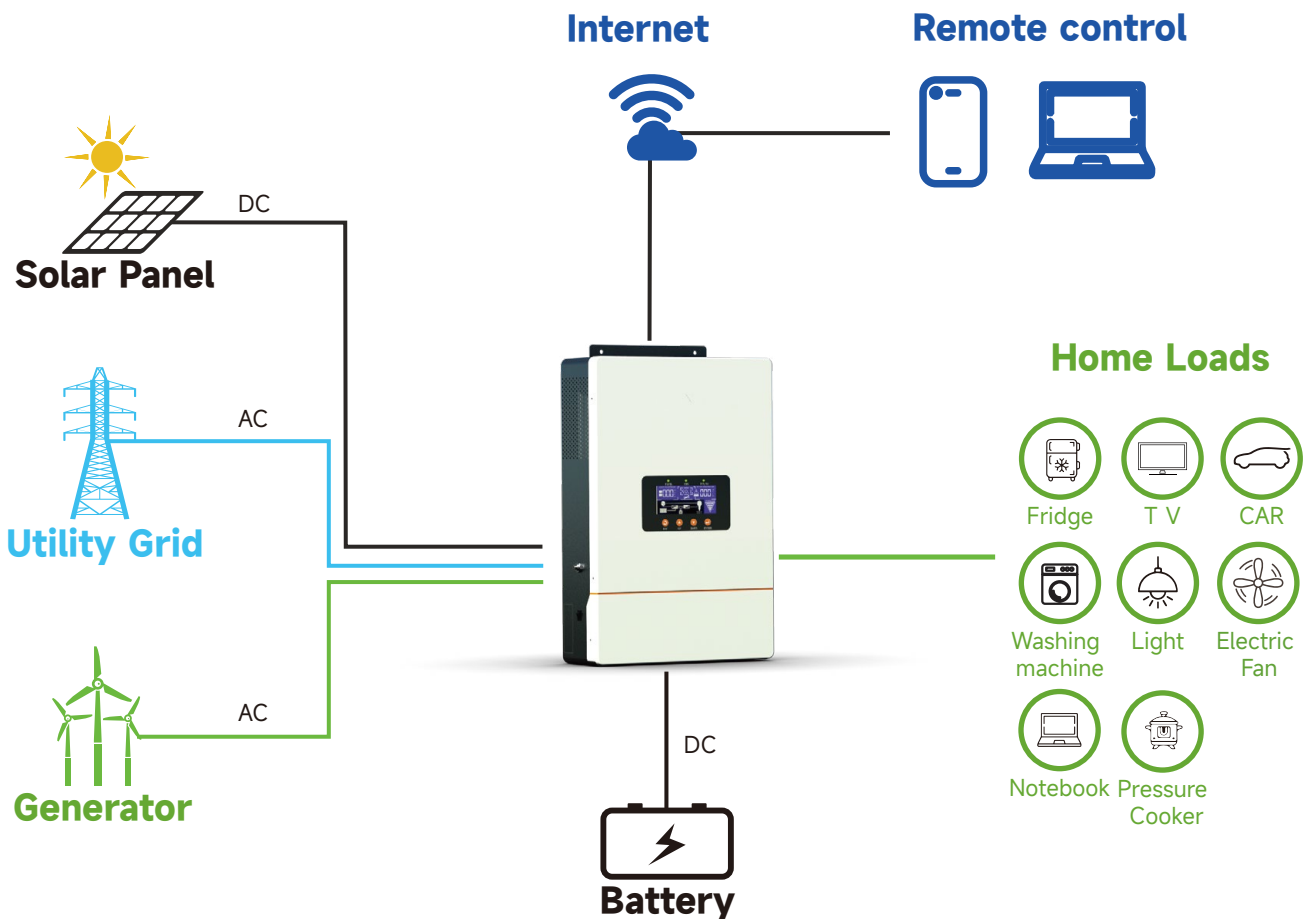
High frequency

or

Power frequency

- 🔊 Quiet
- ✅ Light
- 📏 Compact
- 💰 Cost-effective

🛡️ Impact-resistant



# SDPH Hybrid Solar Power Inverter



Battery optional



Fan



Solar power



Home



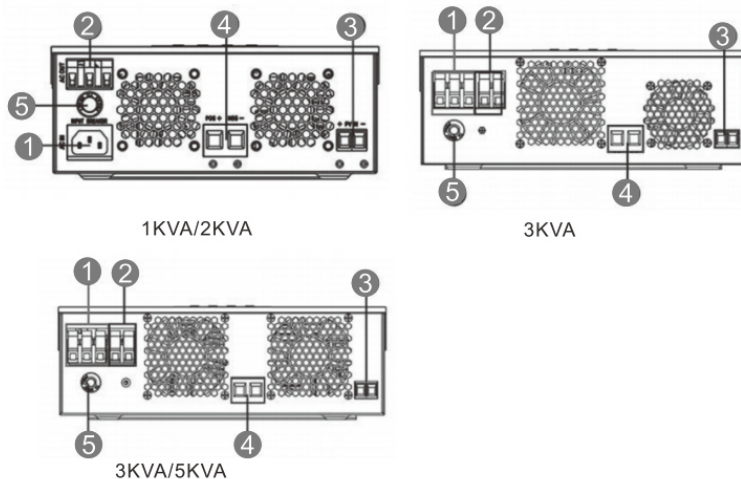
## Anti-Dust Kit

After installing this anti-dust kit, inverter will automatically detect this kit and activate internal thermal sensor to adjust internal temperature.

By virtue of the dust proof design, it dramatically product reliability in harsh environment.

## Key Features

- ◆ Pure sine wave solar inverter
- ◆ Output power factor 1
- ◆ Selectable high power charging current
- ◆ Wide DC input range
- ◆ Selectable input voltage range for home appliances and personal computers
- ◆ Configurable AC/Solar input priority via LCD setting
- ◆ Compatible to AC mains or generator power
- ◆ Auto restart while AC is recovering
- ◆ Overload and short circuit protection
- ◆ Smart battery charger design for optimized battery performance
- ◆ Cold start function
- ◆ Optional anti-dusk kit



- ① AC input
- ② AC output
- ③ PV input
- ④ Battery input
- ⑤ Circuit breaker

## Technical Parameter

### Wall mounted integrated solar power inverter technical specification Built-in MPPT/PWM solar controller

MODEL	SDPH VP 1000-12	SDPH VM 1200-12	SDPH VP 2000-24	SDPH VM 2200-24	SDPH VP 3000-24	SDPH VM 3200-24	SDPH VP 5000-48	SDPH VM 5000-48
Rated Power	1000W	1200W	2000W	2200W	3000W	3200W	5000W	5000W
<b>INPUT</b>								
Voltage	230VAC							
Selectable Voltage Range	170-280VAC(For personal computers) ; 90_280VAC(For home appliances)							
Frequency Range	50Hz/60Hz(Auto sensing)							
<b>OUTPUT</b>								
AC Voltage Regulation(Battery,Mode)	230VAC±5%							
Surge Power	2000W		4000W		6000W		10000W	
Efficiency(Peak)	Up to 93.5%							
Transfer Time	10ms (For personal computers);20ms(For home appliances)							
Waveform	Pure sine wave							
<b>BATTERY</b>								
Battery Voltage	12VDC		24VDC		48VDC			
Floating Charge Voltage	13.5VDC		27VDC		54VDC			
Overcharge Protection	16VDC		31VDC		33VDC		63VDC	
<b>BATTERY</b>								
Solar Controller Model	PWM	MPPT	PWM	MPPT	PWM	MPPT	PWM	MPPT
Maximum PV Array Open Circuit Voltage	55VDC	102VDC	80VDC	102VDC	80VDC	102VDC	105VDC	145VDC
Maximum PV Array Power	600W	700W	1200W	1400W	1200W	1800W	2400W	3000W
MPPT Range @ Operating Voltage	N/A	17-80VDC	N/A	30-80VDC	N/A	30-80VDC	N/A	60-115VDC
Maximum Solar Charger Current	50A	50A	50A	50A	50A	65A	50A	65A
Maximum AC Charger Current	20A	20A	20A	20A	25A	25A	60A	60A
Maximum Charger Current	50A	60A	50A	60A	70A	80A	110A	120A
<b>PHYSICAL</b>								
Dimension (W x D x H)mm	88*225*320	103*225*320	88*225*320	103*245*330	100*285*334	118*285*360	100*300*440	100*302*440
Net Weight(KG)	4.4	4.4	5	5	6.3	6.5	8.5	9.7
Communication Interface	USB/RS232							
<b>ENVIRONMENT</b>								
Humidity	5% to 95% Relative Humidity(Non-condensing)							
Operating Temperature	-10°Cto 50°C							
Storage Temperature	-15°Cto 60°C							

Note:Product specifications are subject to change without further notice.