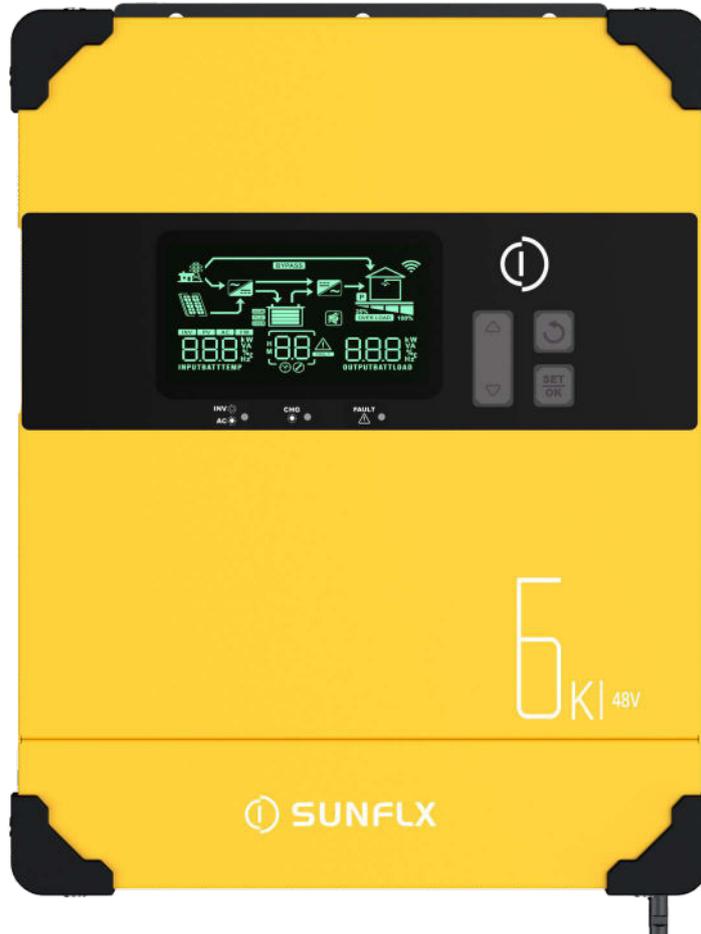


Off Grid Solar Storage Inverter

SF 3600/SF 6000



Dual AC outputs for smart load management



Wide PV input voltage range 60Vdc-500Vdc



Compatible with lithium lead-acid and GEL batteries



PV and AC dual activation



Support generator input



Feed into Grid (optional)



Plug-and-play quick connection MC4 PV terminals



WiFi & Bluetooth monitoring (APP available)

Work with Sunflx Cloud APP



 **Sunflx Cloud App**



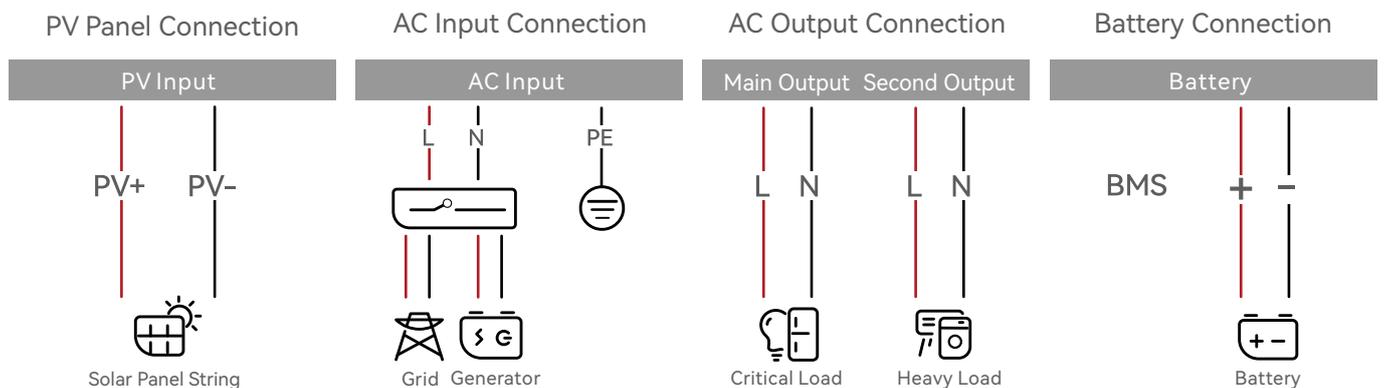
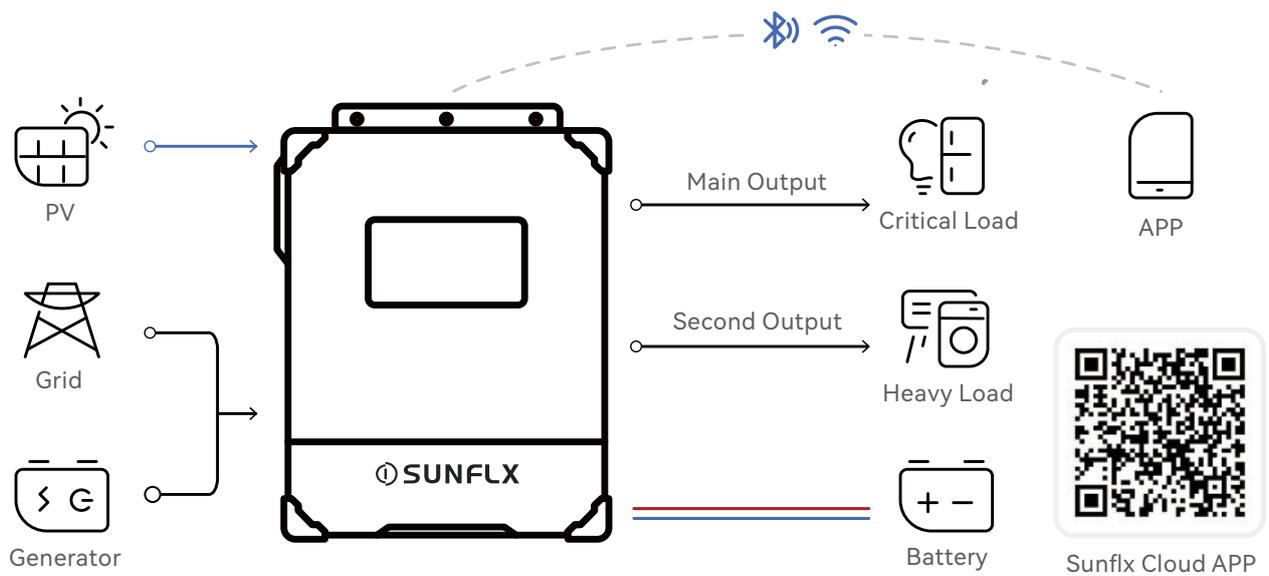
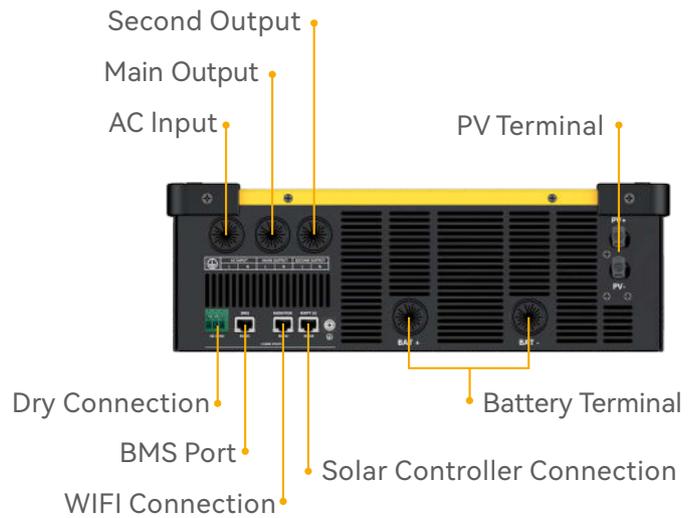
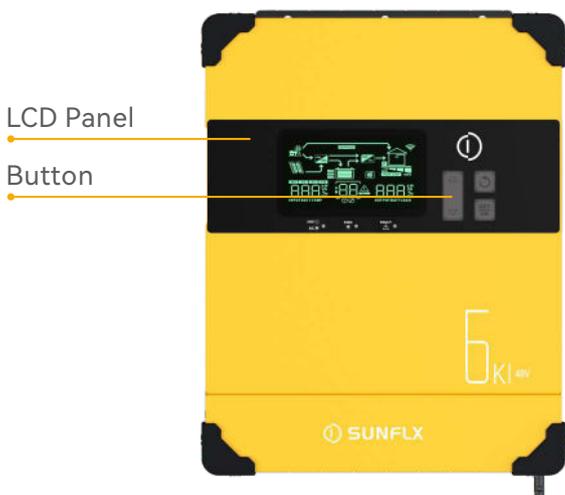
**Sunflx Cloud App is a Configure and Monitor App
Now Available in App Store and Google Play**

Work with Sunflx Smart Dongle, supports both Bluetooth and Wi-Fi connection, which enables you managing your solar device with or without internet connection.

Key Features)

- Real-Time Monitoring**
Keep an eye on your solar equipment's live performance and system status.
- Easy Settings**
Personalize your device settings to get the best out of your system.
- Demo Devices**
Check out the demo library to explore Sunflx features and see what the products can do.
- Historical Data**
View past data like power generation, energy use, and grid consumption to assess your system's performance.
- Firmware Updates**
Update your device firmware with just one tap to stay up to date with the latest features.
- Status Sharing**
Share your solar power achievements and savings with friends and spread the green lifestyle.
- Product Verification**
Verify your products quickly to ensure they're genuine with Sunflx Cloud.

Connection



Datasheet

Model	SF 3600	SF 6000	User-Settable
Nominal Battery Voltage	48Vdc		
Battery Type	Lithium LiFePO4/Lead-Acid/Flooded/User Defined		✓
AC INPUT			
Nominal AC Input Voltage/Waveform	230Vac/Sinusoidal (Utility or Generator)		
AC Input Range	90~280Vac (Appliances); 170Vac~280Vac (UPS)		✓
Nominal Input Frequency	50/60Hz (Auto Detection)		✓
AC Input Frequency Range	40~65±1Hz (>42 or <63±1Hz Comeback)		
Max. Bypass Current	30Amp	40Amp	
Output Short Circuit Protection	Circuit Breaker		
Transfer Time	10ms Typical (UPS); 20ms Typical (Appliances)		
AC CHARGER			
Charging Algorithm	3-Step		
Max. AC Charging Current	60Amp (@VI/P=230Vac)	100Amp (@VI/P=230Vac)	✓
Bulk Charging Voltage	56.4Vdc (AGM/Gel); 58.4Vdc (Flooded)		✓
Floating Charging Voltage	54Vdc		✓
Max. Hybrid Charging Current (Solar & Utility)	80Amp	120Amp	✓
PV INPUT			
Num. of Independent MPPT Tracker	1		
MPPT Input Current	1*22Amp	1*27Amp	
Max. PV Array Power	4000W	7500W	
Max. Solar Charge Current	80Amp	120Amp	✓
PV Array MPPT Voltage Range	60~450Vdc		
Max. PV Array Open Circuit Voltage	500Vdc		
MPPT Tracking Efficiency	99.9%		
INVERTER OUTPUT			
Num. of Output Ports (Main & Second Output)	2		
Rated Output Power of Main/Second Output ^{*†1}	3600W/3600W	6000W/6000W	
Max. Output Current of Main/Second Output	15.7A/15.7A	26.1A/26.1A	
Surge Capacity	7200VA/7200W for 5 Seconds	12000VA/12000W for 5 Seconds	
Output Voltage Waveform	Pure Sine Wave		
Overload Protection	5s@150% Load; 10s@110%~150% Load		
Output Voltage	220/230/240 Vac ± 5%		
Output Frequency	50/60Hz ±1Hz		
Peak Efficiency	94%		
Low Voltage Cut-off Voltage	42Vdc		✓
High Voltage Cut-off Voltage	63Vdc		
Cold Start Voltage (When Only Connect with Battery)	46Vdc		
No Load Power Consumption	<45W@48Vdc		
Parallel Capacity	NO		

*†1 Two Output Total Power Will Not Exceed Rated Output Power

Datasheet

Model	SF 3600	SF 6000	User-Settable
GENERAL			
Operating Temperature Range	-10°C~55°C		
Storage Temperature	-15°C~60°C		
Humidity	5% to 95% Relative Humidity (Non-Condensing)		
Altitude	<2000m		
Noise	≤60dB		
Protection Degree	IP21, Indoor Only		
Cooling Method	Intelligent Fan		
Dimension (H*W*D)	510*340*120 mm		
Weight	9.5 KG	12 KG	
Warranty	2 Years		
COMMUNICATION			
Embedded Interface	RS232*1/RS485*2/Dry Contact		
Work with WIFI & Bluetooth Monitoring Dongle	YES, by RS232		
Work with Lithium Battery BMS	YES, by RS485		
CERTIFICATION			
Certification/Standard	CE(IEC61000, IEC62109); IEC61683; IEC60068; RoHS		

Specifications are subject to change without notice

Version: 25.03.05

 SunflxSolar

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