

SU-VOLANT

Hybrid Energy Storage Inverter



Battery Optional



1kW=1kVA



On&Off Grid



Wi-Fi Function

Product Snapshot

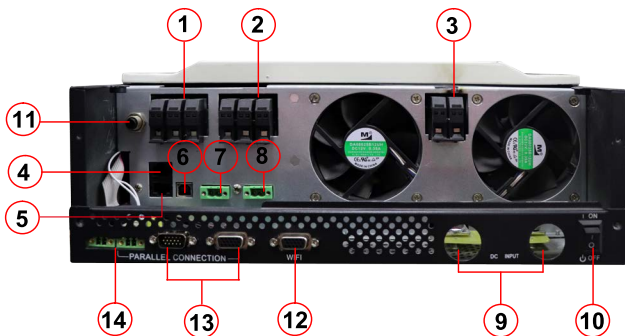
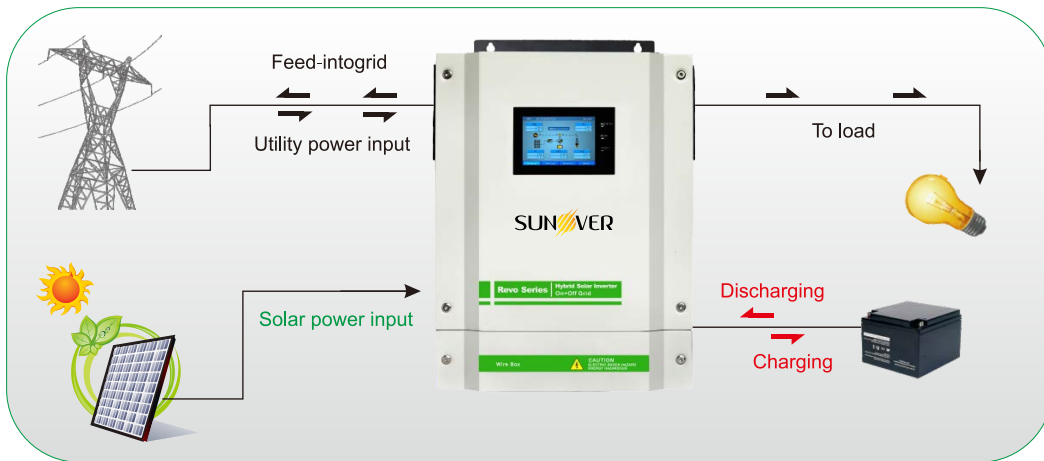
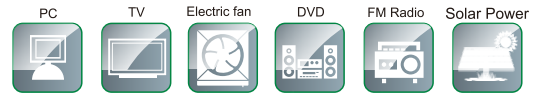
Model: 3-5.5kW
 Nominal Voltage: 220/230/240VAC
 Frequency Range: 50Hz/60Hz



Hybrid Operation

Features

1. Hybrid solar inverter(on/off grid inverter)
2. Output power factor PF=1.0
3. On grid with energy storage
4. Configurable AC/Solar Charger priority via LCD setting
5. Smart battery charger design for optimized battery performance
6. Compatible to mains voltage or generator power
7. Overload,Over temperature,Short circuit protection,Fault record,History record
8. External WIFI devices
9. The number of inverter for parallel operation can up to 9 units



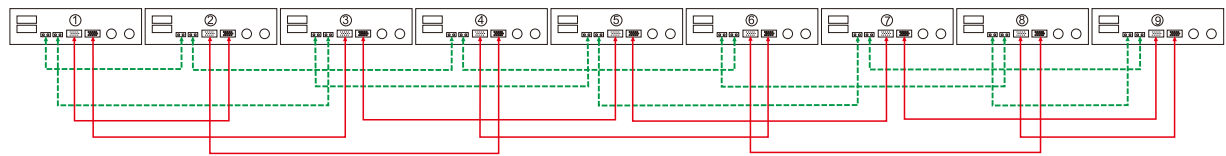
- | | | |
|-------------------|--------------------------|---------------------------|
| 1. AC Input | 6. USB terminal | 11. circuit breaker |
| 2. AC Output | 7. CT interfaces | 12. WiFi interfaces |
| 3. PV Input | 8. Generator dry contact | 13. Parallel interfaces |
| 4. Can port | 9. DC Input | 14. Current sharing cable |
| 5. RS232 terminal | 10. ON/OFF switch | |



Nine inverters parallel :
Power Connection:



Communication Connection :



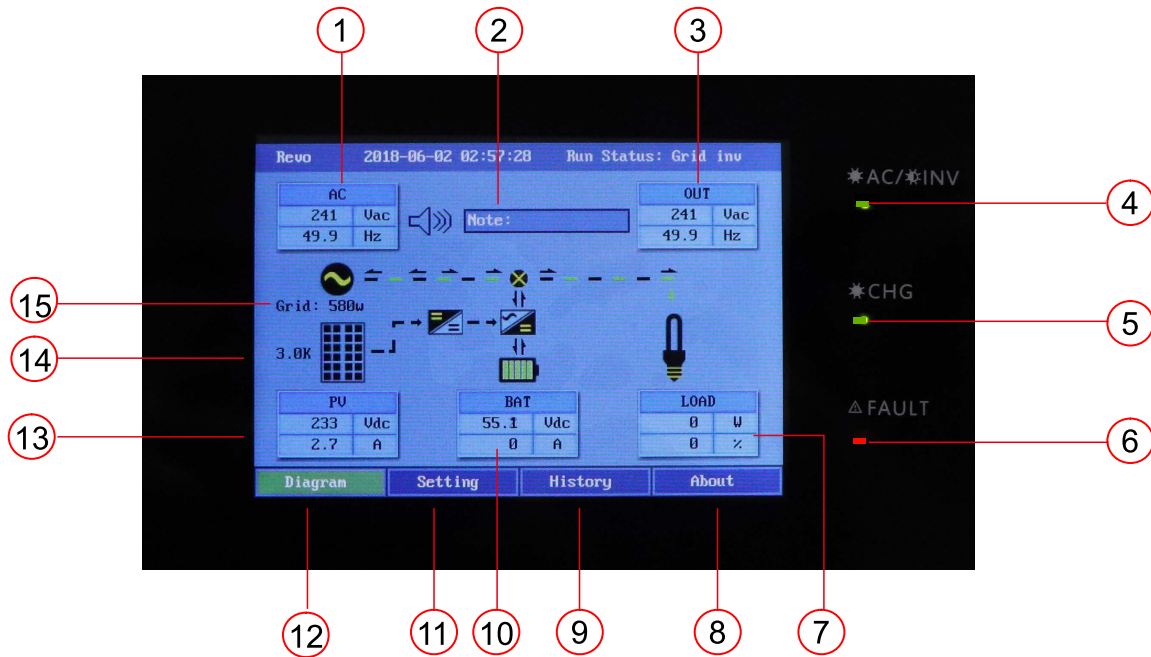
SU-VOLANT

Wall Mounted Integrated Solar Power Inverter Technical Specification Built-in MPPT Solar Controller

MODEL	SU-VOLANT 3k-24	SU-VOLANT 3.2k- 48	SU-VOLANT 5.5k- 48
Max PV Array Power		4500W	
Rated Output Power	3000W	3200W	5500W
Maximum PV Array Open Circuit Voltage	500VDC		
MPPT Range @ Operating Voltage	120-450VDC		
MPPT Tracker Number	1		
GRID-TIE OPERATION			
GRID OUTPUT (AC)			
Nominal Output Voltage	220/230/240VAC		
Output Voltage Range	184-265VAC		
Nominal Output Current	15A		
Efficiency	Up to 93.5%		
OFF-GRID, HYBRID OPERATION			
GRID INPUT			
Acceptable Input Voltage Range	90-280VAC or 170-280 VAC		
Frequency Range	50Hz/60Hz (Auto sensing)		
BATTERY MODE OUTPUT (AC)			
Nominal Output Voltage	220/230/240VAC		
Output Wave form	Pure sine wave		
BATTERY & CHARGER			
Nominal DC Voltage	24VDC	48VDC	
Maximum Solar Charge Current	90A		
Maximum AC Charge Current	60A		
Maximum Charge Current	90A		
Emergency output power			
Maximum output Power	3000W	3200W	5500W
Automatic Transfer Time	<10ms		
GENERAL			
INTERFACE			
Parallel Function	Optional		
Communication	USB or RS232/Dry-Contact		
ENVIRONMENT			
Humidity	0~90% RH (No Condensing)		
Operating Temperature	0 to 50 °C		

Operation and Display Panel

The operation and display panel, shown in below chart, is on the front panel of the inverter. It includes three indicators, four function keys and a LCD display, indicating the operating status and input/output power information.



- | | |
|--------------------------|--------------------------|
| 1. AC Input information | 9. History button |
| 2. Operation information | 10. Battery information |
| 3. AC Output information | 11. Setting button |
| 4. AC/INV indicator | 12. Diagram button |
| 5. Charging indicator | 13. PV input information |
| 6. Fault indicator | 14. PV capacity |
| 7. Load information | 15. Grid / CT power |
| 8. About button | |

WIFI operation steps (optional)

