

# VOLANT PRO-G 6-11KW

## Hybrid On & Off Grid Energy Storage Inverter Series



**On-Grid and Off-Grid**  
VOLANT PRO-G 6-11KW series is suitable for on-grid and off-grid applications.



**Remote Monitoring**  
Control and monitor your smart system on the move via our monitoring App and website



**BMS**  
BMS Communication for lithium battery



**Easy access**  
Accessible through a LCD touch screen and through the web. Two outputs for smart load management

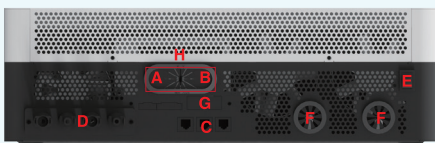


**Safe**  
Built-in anti-dust kit for harsh environment  
AC overcurrent, AC overvoltage, over temperature protection

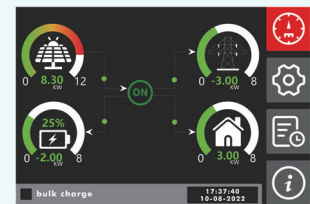


**Flexible Rate Tariff**  
Charge from the grid at off-peak time when energy is cheaper and discharge at peak time when energy is more expensive.

### Product characteristics

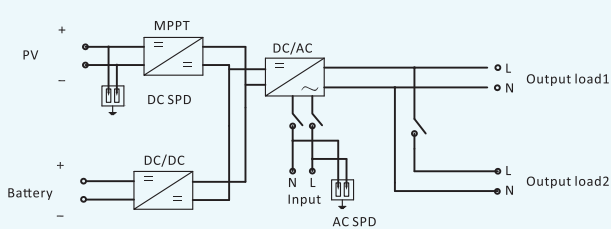


- A: AC OUTPUT
- B: AC INPUT
- C: COM
- D: PV INPUT
- E: ON/OFF
- F: DC INPUT
- G: PARALLEL CONNECTION
- H: GENERATOR (FOR 11KW ONLY)

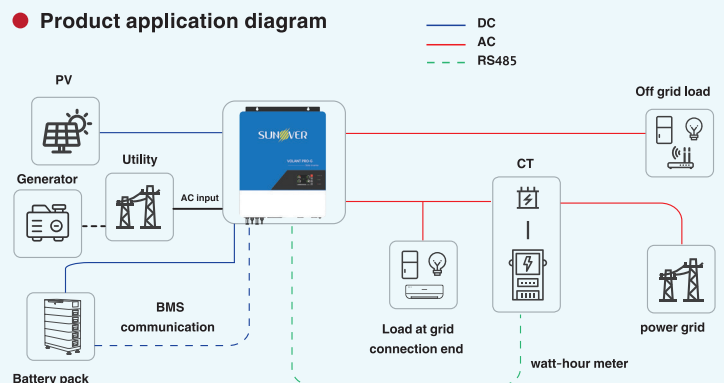


LCD touch screen

### Circuit block diagram



### Product application diagram



Model	VOLANT PRO-G 6KW	VOLANT PRO-G 8KW	VOLANT PRO-G 11KW
Rated power	6000W	8000W	11000W
<b>AC Input</b>			
AC voltage	230VAC		
Voltage Range	170~280VAC (For Personal Computers);90~280VAC (For Home Appliances)		
Frequency Range	50Hz/60Hz(Auto sensing)		
<b>AC Output</b>			
Surge power	12000W	16000W	22000W
Voltage regulation(Batt Mode)	230VAC±5%		
Rated frequency	50/60Hz		
Efficiency(Peak)	up to 93.5%		
Automatic switching time	10ms (For Personal Computers);20ms (For Home Appliances);		
<b>SOLAR &amp; AC CHARGER</b>			
Maximum PV Array Open voltage(V)	500VDC		
Maximum PV Array power	8000W(2*4000)	11000W(2*5500)	13000W(2*6500)
MPPT voltage range(V)	60~500VDC		
Maximum input current	27A		
MPPT tracker/strings	1		
Maximum solar charge current	120A	120A	150A
Maximum AC charge current	120A	120A	150A
Maximum charge current	120A	120A	150A
<b>Battery</b>	Battery		
Battery voltage	48VDC		
Floating Charge voltage	54VDC		
Overcharge Protection	63VDC		
Battery type	lithium /Lead-acid		
<b>Protection&amp; Feature</b>			
AC overcurrent,	Yes		
AC overvoltage	Yes		
Over-heat protection	Yes		
Smart load management	Yes		
Generator AC input	No		Yes
<b>General Parameter</b>			
Operation temperature	- 25°C~ 60°C		
Relative humidity	0~95% (non-condensing)		
Altitude 2,000m	(>2,000 Derating)		
Dimensions D x W x H (mm)	500x440x130	603x440x141	603x440x141
Weight (kg)	16.5	18.5	19
<b>Display and communication</b>			
Display	Touch LCD		
Interface	Standard:RS485,CAN; Optional: Wifi ,Bluetooth		
Safety standard	EN/IEC 62109-1, EN/IEC 62109-2		