

VOLANT PRO

Hybrid Solar Energy Storage Inverter
Series 1.6KW, 3KW



MPPT

Pure sine wave MPPT solar inverter
Built-in 80/120A MPPT solar charger



Hybrid

VOLANT PRO series is suitable for
off-grid and on grid(optional) applications.



Battery

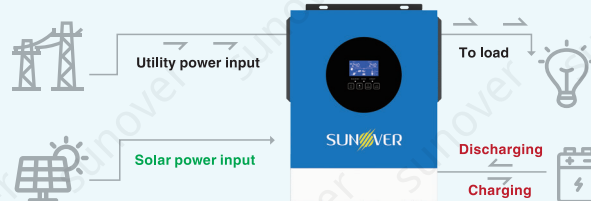
Battery equalization function extend life cycle
Reserved communication port(RS485,CAN)for BMS



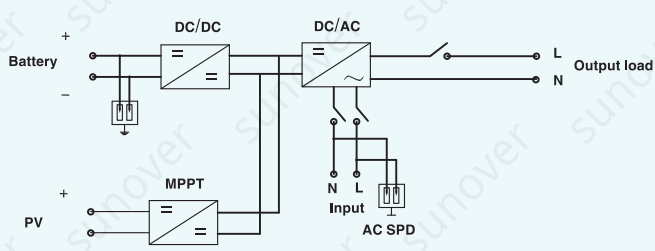
Easy access

High PV input voltage range
Two outputs for smart load management (4/6KW OPT)

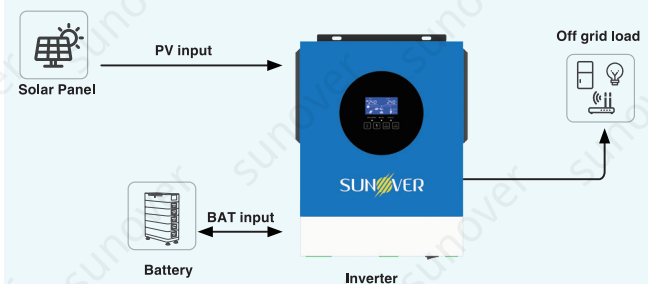
● With battery connected



● Schematic diagram



● Solar system connection



Technical Specification	VOLANT PRO 1.6KW	VOLANT PRO-3KW-24V
Rated Power	1600VA/1600W	3200VA/3000W
AC INPUT		
AC Voltage	230VAC	
Voltage Range	170-280VAC (For Personal Computers) ; 90-280 VAC (For Home Appliances)	
Frequency Range	50/60Hz (Auto sensing)	
AC OUTPUT		
Surge Power	3200W	6000W
AC Voltage Regulation (Battery Mode)	230VAC ± 5%	
Rated frequency	50/60Hz	
Efficiency (Peak)	93%	
Transfer Time	10ms (For Personal Computers) ; 20ms (For Home Appliances)	
BATTERY		
Battery Voltage	12VDC	24VDC
Floating Charge Voltage	13.5VDC	27VDC
Overcharge Protection	16VDC	32VDC
Battery type	Lithium/Lead-acid	
SOLAR CHARGER & AC CHARGER		
Maximum PV Array Open Voltage(V)	500VDC	
Maximum PV Array Power	2000W	4000W
MPPT voltage range(V)	30~450VDC	
Maximum input current	13A	
MPPT tracker/strings	1	
Maximum solar charge current	100A	
Maximum AC charge current	80A	
Maximum charge current	100A	
PROTECTION & FEATURE		
AC overcurrent	Yes	
AC overvoltage	Yes	
Over temperature protection	Yes	
Smart load management	NO	
On Grid	Yes (optional)	
GENERAL PARAMETERS		
Operation temperature	-10°C ~ 50°C	
Relative humidity	5% ~ 95% (Non-condensing)	
Altitude	(2000m Derating)	
Dimensions DxWxH(mm)	350*270*100	
Net Weight(KG)	5	5.8
COMMUNICATION		
Interface	tandard:RS232,USB; CAN&RS485; Optional:WiFi,Bluetooth	
Safety standard	EN/IEC62109-1,EN/IEC62109-2	