

VOLANT PRO 8 KW & 10K W

Hybrid On and Off Grid Energy Storage Inverter



MPPT

Built-in two MPPT(10KW),with wide PV input range:60-450VDC



Easy to use

Configurable AC/PV output usage time and prioritization



On & Off-Grid

VOLANT PRO 10KWseries is suitable for on & off-grid applications



Battery

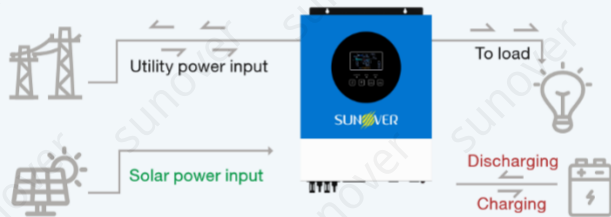
Battery equalization function extend life cycle
Reserved communication port(RS485,CAN)for BMS



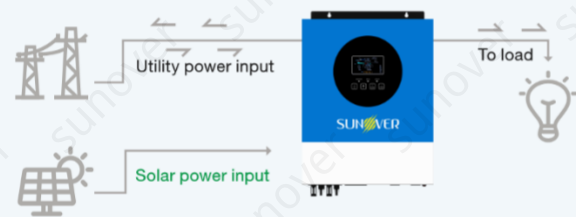
Easy access

Communication WiFi or bluetooth
Touchable button with large 5" colorful LCD

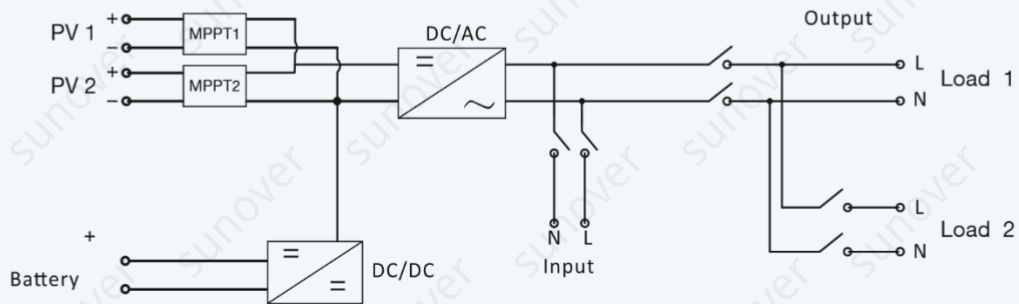
With battery connected



Without battery connected



Schematic diagram



Technical data

Model	VOLANT PRO-8KW-48V	VOLANT PRO-10KW-48V
RATED POWER	8000VA/8000W	10000VA/10000W
AC INPUT		
Voltage	230VAC	
Selectable Voltage Range	170~280VAC(For Personal Computers)90~280VAC(For Home Appliances)	
Frequency Range	50 Hz/60Hz(Auto sensing)	
AC OUTPUT		
AC Voltage Regulation	230VAC±5%	
Surge Power	16000VA	20000VA
Efficiency(Peak)PV to INV	98%	
Efficiency(Peak)Battery to INV	94 %	
Transfer Time	10 ms (For Personal Computers);20 ms (For Home Appliances)	
BATTERY		
Battery Voltage	48VDC	
Floating Charge Voltage	54VDC	
Overcharge Protection	63VDC	
Battery type	Lithium/Lead-acid	
SOLAR CHARGER AC CHARGER		
Solar Charger Type	MPPT	
Maximum PV Array Power	9000W(2*4500)	10000W(2*5000)
MPPT Operating Voltage Range	60~450VDC	
Maximum PV Array Open Circuit Voltage	500VDC	
MPPT trackers/strings	2	
Maximum Solar Charge Current	120A	
Maximum AC Charging Current	120A	
Maximum Solar+AC Charge Current	120A	
PROTECTION & FEATURES		
AC overcurrent	Yes	
AC overvoltage	Yes	
Over temperature protection	Yes	
Smart load management	Yes	
On Grid	Yes	
Parallel function	Optional	
GENERAL PARAMETERS		
Operating Temperature	-10°C~50°C	
Humidity	5% to 95% Relative Humidity(Non—condensing)	
Dimension, D *W *H(mm)	420X561X152	
Net Weight(kgs)	19.5	20
Gross Weight(kgs)	20.5	21
DISPLAY AND COMUNICATION		
Display	Touch buttons	
Communication interface	RS232/USB/CAN/RS485/ WIF1, Bluetooth(optional)	
Compliance Safety	EN/ICE62109-1, EN/ICE62109-2	