REVO VM II PRO

Hybrid Solar Energy Storage Inverter

series 1.6/3.2/4/4.5/6kW



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

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

Hybrid
REVO VM II PRO series is suitable for
off-grid and on grid(optional) applications.

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

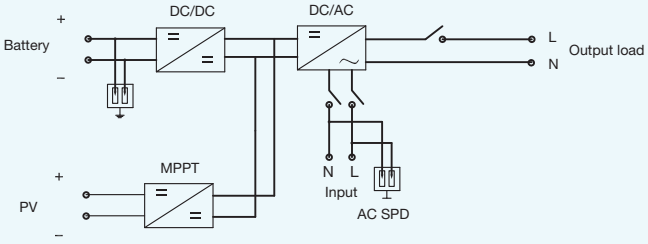
With battery connected



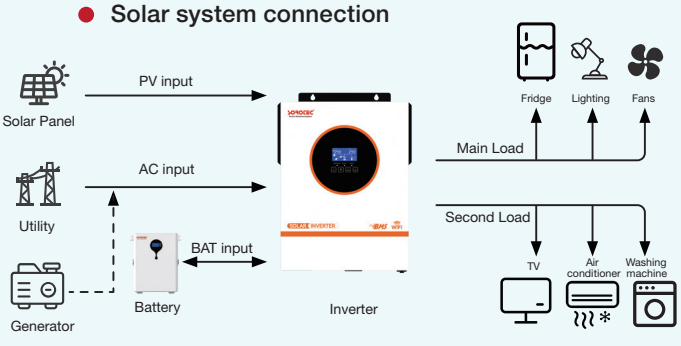
Without battery connected(4-6kw)



Schematic diagram



Solar system connection



Technical Specification	REVO VM II PRO series				
Rated Power	1600VA/1600W	3200VA/3200W	4000VA/4000W	4500VA/4500W	6000VA/6000W
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	3200VA	6400VA	8000VA	8000VA	12000VA
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			48VDC
Floating Charge Voltage	13.5VDC	27VDC			54VDC
Overcharge Protection	16VDC	33VDC			63VDC
Battery type	Lithium/Lead-acid				
SOLAR CHARGER & AC CHARGER					
Maximum PV Array Open Voltage(V)	500VDC				
Maximum PV Array Power	3000W	4000W	5000W		7000W
MPPT voltage range(V)	30~450VDC			60~450VDC	
Maximum input current	15A		16A	20A	27A
MPPT tracker/strings	1				
Maximum solar charge current	100A		120A		
Maximum AC charge current	80A		100A		
Maximum charge current	100A		120A		
PROTECTION & FEATURE					
AC overcurrent	Yes				
AC overvoltage	Yes				
Over temperature protection	Yes				
Smart load management	NO		Yes((optional))		
On Grid	Yes (optional)				
Parallel function	NO			Yes(optional 6 units)	
GENERAL PARAMETERS					
Operation temperature	-10°C ~ 50°C				
Relative humidity	5% ~ 95% (Non-condensing)				
Altitude	(2000m Derating)				
Dimensions DxWxH(mm)	350*270*100		378.2*294.8*123.5	470*305*120	
Net Weight(KG)	5	5.6	6.5	8.6	9.9
COMMUNICATION					
Interface	Standard:RS232,USB; CAN&RS485; Optional:WiFi,Bluetooth				
Safety standard	EN/IEC62109-1,EN/IEC62109-2				