

RINO OFF-GRID

HYBRID SOLAR ENERGY STORAGE INVERTER

SERIES 3.2KW



MPPT
Pure sine wave MPPT solar inverter
Bulit-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.

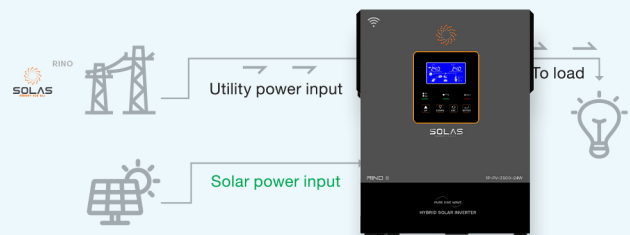


Easy access
High PV input voltage range
With touch buttons
Two outputs for smart load management (4/6KW OPT)

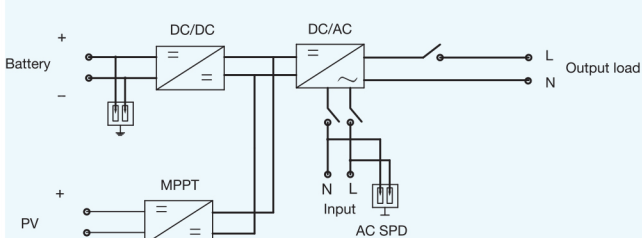
● With battery connected



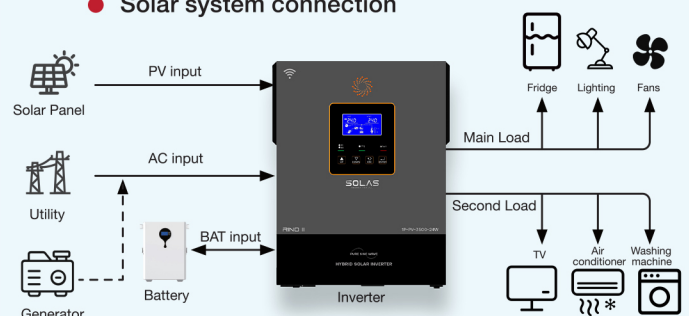
● Without battery connected



● Schematic diagram



● Solar system connection



Technical Specification	REVO VM II PRO series			
Rated Power	1600VA/1600W	3200VA/3200W	4000VA/4000W	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	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	2000W	3500W	5000W	6000W
MPPT voltage range(V)	30~450VDC		60~450VDC	
Maximum input current	15A		20A	27A
MPPT tracker/strings	1			
Maximum solar charge current	80A		120A	
Maximum AC charge current	60A		100A	
Maximum charge current	80A		120A	
PROTECTION & FEATURE				
AC overcurrent			Yes	
AC overvoltage			Yes	
Over temperature protection			Yes	
Smart load management	NO		Yes(optional)	
On Grid			Yes (optional)	
GENERAL PARAMETERS				
Operation temperature	-10°C ~ 50°C			
Relative humidity	5% ~ 95% (Non-condensing)			
Altitude	(2000m Derating)			
Dimensions DxWxH(mm)	348*270*95		400*300*115	
Net Weight(KG)	5	5.5	8.5	9
COMMUNICATION				
Interface	Standard:RS232,USB; CAN&RS485; Optional:WiFi,Bluetooth			
Safety standard	EN/IEC62109-1,EN/IEC62109-2			