

RINO OFF-GRID

HYBRID SOLAR ENERGY STORAGE INVERTER

SERIES 1.6KW



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



Hybrid
REVO VM II 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

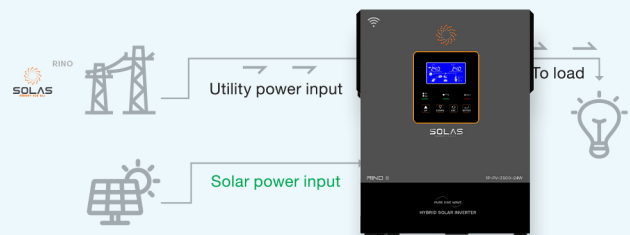


Easy access
High PV input voltage range
With touch buttons
Two outputs for smart load management (4/6KW OPT)

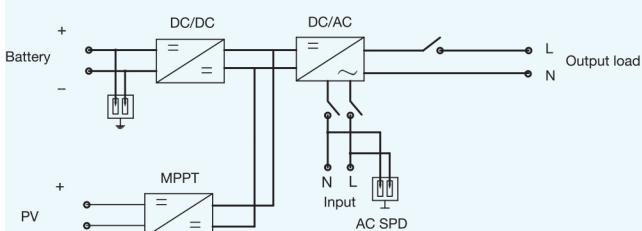
With battery connected



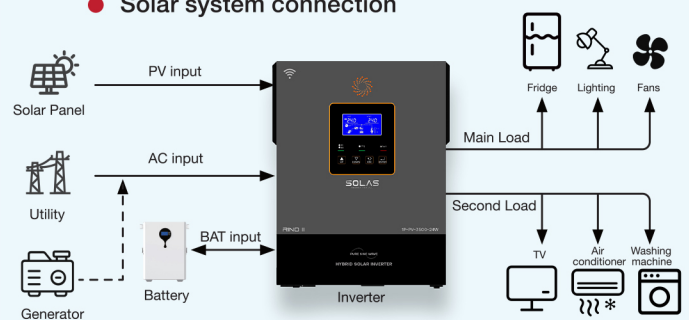
Without battery connected



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			