

NBS II PRO

Hybrid Solar Energy Storage Inverter

series 1.6kW/24V



MPPT

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



Hybrid

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



Battery

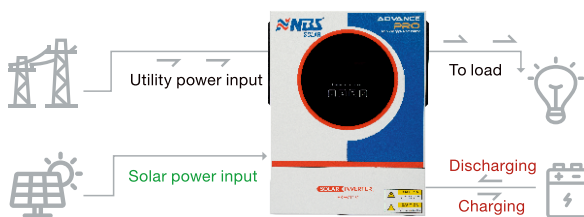
Battery equalization function extend life cycle
Reserved communication port(RS485,CAN)for BMS



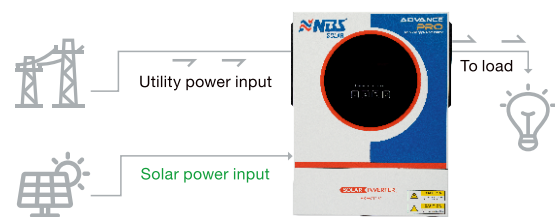
Easy access

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

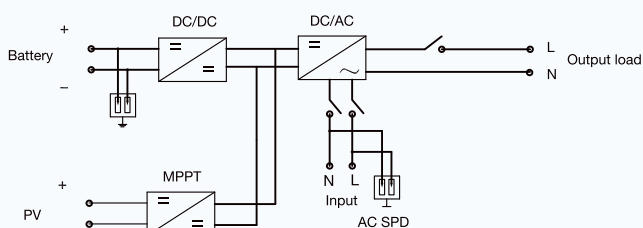
● With battery connected



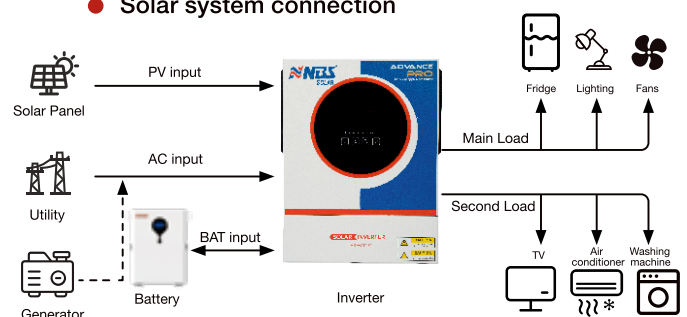
● Without battery connected(4-6kw)



● Schematic diagram



● Solar system connection



Technical Specification	NBS II PRO series
Rated Power	1600VA/1600W
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
AC Voltage Regulation (Battery Mode)	230VAC $\pm$ 5%
Rated frequency	50/60Hz
Efficiency (Peak)	93%
Transfer Time	10ms (For Personal Computers) ; 20ms (For Home Appliances)
BATTERY	
Battery Voltage	12VDC
Floating Charge Voltage	13.5VDC
Overcharge Protection	16VDC
Battery type	Lithium/Lead-acid
SOLAR CHARGER & AC CHARGER	
Maximum PV Array Open Voltage(V)	500VDC
Maximum PV Array Power	2000W
MPPT voltage range(V)	30~450VDC
Maximum input current	15A
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)	334*270*105
Net Weight(KG)	5
COMMUNICATION	
Interface	Standard:RS232,USB; CAN&RS485; Optional:WiFi,Bluetooth
Safety standard	EN/IEC62109-1,EN/IEC62109-2