

NBS IV

Hybrid On & Off Grid Energy Storage Inverter

series 4/6/8/11kW



MPPT

Built-in two MPPT(6KW-11KW),with wide PV input range:60~450VDC



Easy to use

Configurable AC/PV output usage time and prioritization



On & Off-Grid

REVO VM IV series is suitable for on & off-grid applications



Battery

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



Parallel function

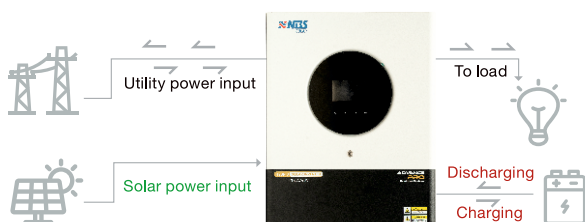
Parallel operation up to 6 units



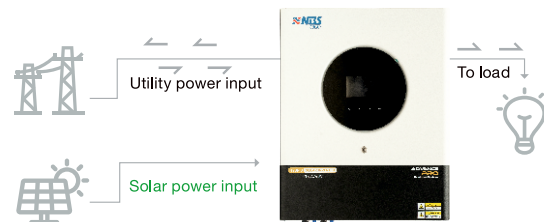
Easy access

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

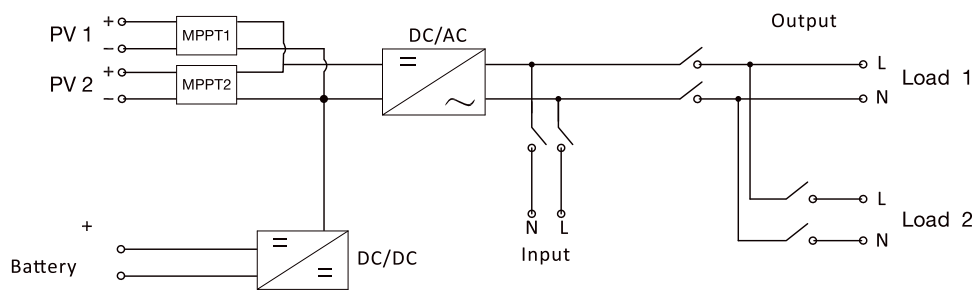
With battery connected



Without battery connected



Schematic diagram



Technical Specification	NBS IV series				
Rated Power(W)	4000VA/4000W	6000VA/6000W	6000VA/6000W	8000VA/8000W	11000VA/11000W
AC INPUT					
Nominal Voltage(VAC)	230VAC				
Voltage range(VAC)	170~280VAC / 90~280VAC				
Frequency range(Hz)	50/60Hz				
AC OUTPUT					
Surge power	8000	12000		16000	22000
Output voltage(VAC)	220/230/240				
Output wave form	Pure sine wave				
Rated Frequency(Hz)	50/60				
Efficiency	93% max				
Transfer time	10ms typical (narrow range);20ms typical (wide range)				
BATTERY					
Nominal DC voltage(VDC)	24	48			
Floating charge voltage(VDC)	27	54			
Overcharge protection(VDC)	31	63			
Battery type	Lithium & Lead-acid				
SOLAR CHARGER & AC CHARGER					
Max.PV array open circuit voltage(VDC)	500				
Max.PV array power(W)	5000W	7000W	8000W (4000*2)	11000W(5500*2)	13000W(6500*2)
MPPT input voltage range@operating(VDC)	60-450				
Max.input current(A)	27		15*2	27*2(Max 40A)	
Max.solar charging current(A)	120			120	150
Max.AC charging current(A)	100			120	150
Max.charging current(A)	120			120	150
DISPLAY INTERFACE					
Parallel function	up to 6units				
Communication	Standard:RS232,CAN&RS485;Optional:WiFi,Bluetooth				
Display	5"colorful LCD				
ENVIRONMENT					
Humidity	5~90%RH (No Condensing)				
Operating Temperature	-10°Cto 50°C				
Net Weight(KG)	9.3	10.6	18	19.6	19.9
Dimensions D x W x H(mm)	466*316*127			603*440*160	