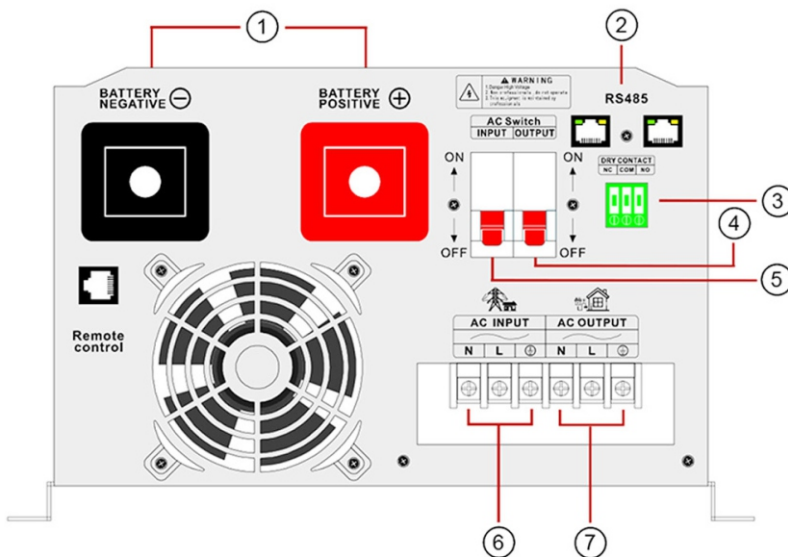


Low Frequency Hybrid Inverter/Charger

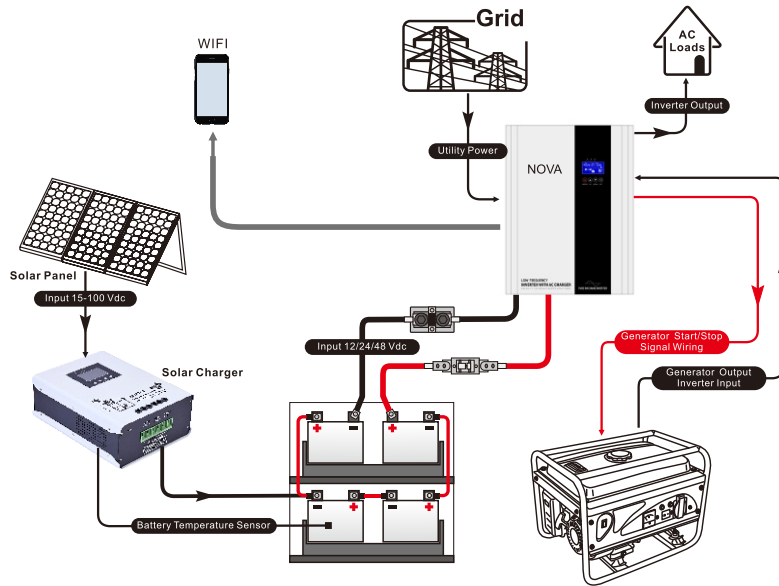
Features

- With WiFi APP Monitor
- With MPPT solar charge controller 30A-100A (Optional)
- With UPS automatic switching function, grid power charging function, AVR voltage stabilization function
- It has perfect protection functions such as overload, high voltage, low voltage, short circuit, etc
- DSP Intelligent Chip Control, Excellent Performance
- Strong inverting capability, one-time soft start, triple output peak power, with all inductive loads
- Full personalized LCD display, it can display various data information of inverter, solar charge controller
- Grid power priority, energy saving mode and solar energy priority can be set freely to meet different occasions
- Battery type, charging voltage grid power charging current (0-35A) can be set freely to meet the charging management of different types of batteries



1. Battery +/-
2. WiFi / RS485 (Optional)
3. AGS (Optional)
4. AC input switch
5. AC output switch
6. AC Input
7. AC output

Solar System Application Diagram



Specification

Model		NVFM-1000W	NVFM-2000W	NVFM-3000W	NVFM-4000W	NVFM-5000W	NVFM-6000W	NVFM-8000W	NVFM-10000W	NVFM-12000W
Default battery system voltage (VDC)		12VDC/24VDC/48VDC			24VDC/48VDC/96VDC			48VDC/96VDC		
Inverter Output	Rated power	1000W	2000W	3000W	4000W	5000W	6000W	8000W	10000W	12000W
	Surge rating (20ms)	3000W	6000W	9000W	12000W	15000W	18000W	24000W	30000W	36000W
	Capable of starting electric Motor	0.5HP	1HP	2HP	2HP	3HP	3HP	4HP	5HP	6HP
	Wave form	Pure sine wave/ Same as input (AC mode)								
	Nominal output voltage RMS	110/120VAC 220/230/240VAC(±10RMS)						220/230/240VAC(±10RMS)		
	Output frequency	50Hz/60Hz±0.3Hz								
	Inverter efficiency(Peak)	>85%								
	Line mode efficiency	>95%								
AC Input	Typical transfer time	8ms(Max)								
	Built-in AVR stabilizer(AC voltage)	110/120/220/230/240VAC			220/230/240VAC			-----		
	Voltage	110/120VAC 220/230/240VAC						220/230/240VAC		
Battery	Selectable voltage range	85-138VAC(AC:110)			170-275VAC(AC:220)			90-130VAC(110V) 180-260VAC(AC:220)		
	Frequency range	50Hz:45-65Hz 60Hz:55-65Hz 50Hz/60Hz(Auto sensing)								
	Low battery protection	10VDC±0.3V (12VDC),20VDC±0.3V (24VDC),40 VDC±0.3V (48VDC),80 VDC±0.3V (96VDC)								
	Low battery cutoff	10.5VDC±0.3V (12VDC),21VDC±0.3V (24VDC),42 VDC±0.3V (48VDC),84VDC±0.3V (96VDC)								
	High Battery alarm	15VDC±0.3V (12VDC),30VDC±0.3V (24VDC),60 VDC±0.3V (48VDC),120 VDC±0.3V (96VDC)								
AC Charger	High Battery protection	16.5VDC±0.3V (12VDC),33VDC±0.3V (24VDC),66VDC±0.3V (48VDC),132VDC±0.3V (96VDC)								
	Maximum charge current	0-35A(Set by yourself)								
Protection	Over load protection	Rated power over 110%,shut down automatically								
	Temperature protection	Built-in temperature sensor real-time induction, ≥85 alarm, ≥85 shut down the whole machine								
	Short circuit protection	Automatic Shutdown								
Solar Charge Controller	Max solar charging current	30A,40A,50A,60A						50A,60A,100A,120A		
	Voltage	12V,24V,48V,96V								
	Max PV input power	12V-30A:360W,12V-50A:600W,12V-60A:720W,12V-100A:1200W,12V-120A:1440W								
		24V-30A:720W,24V-50A:1200W,24V-60A:1440W,24V-100A:2400W,24V-120A:2880W								
		48V-30A:1440W,48V-50A:2400W,48V-60A:2880W,48V-100A:4800W,48V-120A:5760W								
		96V-50A:4800W,96V-60A:5760W,96V-100A:9600W,96V-120A:11520W								
PV array MPPT voltage range	12V:18V-100V,24V:36V-100V,48V:72V-150V,96V:144V-280V									
Other	Peak conversion efficiency	>99%								
	Mounting	Wall mount								
	Display	LCD+LED								
	Cooling fan	Intelligent fan cooling system								
	Audible noise	<60dB								
	Coommunications	RS-232,SNMP(Optional)								
	Operation temperature range	-10°C~70°C								
Appearance	Storage temperature	-10°C~60°C								
	Product size(L*W*H)	510*325*215			645*325*215			765*320*250		
	Packing size(L*W*H)	580*385*270			725*410*290			840*405*320		
	Net weight(Kg)	16	19	22	31	33	35	55	61	67
	Gross weight(Kg)	18	21	24	34	36	38	59	65	71