

NEX MODEL HYBRID SOLAR INVERTER

- High frequency inverter, lighter weight with higher efficiency
- Output power factor PF=1
- Lithium battery activation start function with ac and solar mode
- Parallel function to expansion power
- Higher solar charging efficiency and battery protection
- Pure sine wave output, adaptable to different loads
- 500V high PV input
- Optional WIFI function (**Purchase the Bar DataLogger separately**)
- Working with or without battery



High frequency solar inverter data sheet

Model		NEX3024MH	NEX3624MH	NEX5548MH	NEX6248MH	NEX8048MH	NEX11048MH
Input	Phase	L+N+PE					
	Nominal Voltage	208/220/230/240VAC					
	Voltage Range	90-280VAC±3V (Normal Mode) 170-280VAC±3V (UPS Mode)					
	Frequency Range	50Hz/60Hz(Adaptive)					
Output	Rated Power	3000W	3600W	5500W	6200W	8000W	11000W
	Output Voltage(AC)	220/230/240VAC±5%					
	Output Frequency	50/60Hz±0.1%					
	Waveform	Pure sine wave					
	Transfer Time(Optional)	≤10ms(UPS mode)≤20ms (INV mode)					
	Peak power	6000VA	7200VA	11000VA	12400VA	16000VA	22000VA
	Overload	Battery Mode: 1min@102%~110% Load 10s@110%~130% Load 3s@130%~150% Load 200ms@>150% Load					
Battery	Peak efficiency (battery mode)	>94%	>94%	>94%	>94%	>94%	>94%
	Rated voltage	24Vdc	24Vdc	48Vdc	48Vdc	48Vdc	48Vdc
	Constant voltage charging voltage (Optional)	28.2Vdc	28.2Vdc	56.4Vdc	56.4Vdc	56.4Vdc	56.4Vdc
	Floating charge voltage (Optional)	27Vdc	27Vdc	54Vdc	54Vdc	54Vdc	54Vdc
charger	PV charging method	MPPT	MPPT	MPPT	MPPT	MPPT	MPPT
	PV max input power	3000W	4000W	5500W	6500W	8000W	11000W
	MPPT tracking range	30~400Vdc	120~500Vdc	120~500Vdc	120~500Vdc	120~500Vdc	120~500Vdc
	Max PV input voltage	400Vdc	500Vdc	500Vdc	500Vdc	500Vdc	500Vdc
	Max PV charging current	80A	100A	100A	100A	100A	150A
	Max AC charging current	60A	60A	60A	60A	80A	120A
	Max charging current	100A	100A	100A	100A	120A	150A
Display	LCD display	Operating mode/load/input/output, etc.					
Communication port	RS232	5PIN/Pitch2.0mm, baud rate 2400					
	Expansion & configuration port	2×5PIN/Pitch2.54mm, lithium battery BMS communication card, WIFI card, dry contact card, etc.					
	Parallel interface	No			Yes		
Environmental parameters	Operating environment temperature	0~40℃					
	Operating environment humidity	20%~95% (Non condensing)					
	Storage temperature	-15~60℃					
	Altitude	The altitude should not exceed 1000m, derating above 1000m, up to 4000m, refer to IEC62040					
	noise	≤50db					
Certifications		EN-IEC 60335-1, EN-IEC 60335-2-29, IEC 62109-1					