



SERIES HIGH FREQUENCY INVERTER

- 450V high PV input
- Optional WIFI function
- Pure sine wave output, adaptable to different loads
- Higher solar charging efficiency and battery protection
- Working with or without battery
- Output power factor PF=1
- Parallel function to expansion power
- High frequency inverter, lighter weight with higher efficiency
- lithium battery activation start function with ac and solar mode

Series High Frequency Inverter Data Sheet				
Input	Phase	L+N+PE		
	Nominal Voltage	208/220/230/240VAC		
	Voltage Range	154~264VAC±3V (Normal Mode) 185~264VAC±3V (UPS		
	Frequency Range	50Hz/60Hz(Adaptive)		
Output	Rated Power	3000W	5000W	10000W
	Output Voltage(AC)	208/220/230/240VAC±5%		
	Output Frequency	50/60Hz±0.1%		
	Waveform	Pure sine wave		
	Transfer Time(Optional)	10ms for computer , 20ms for home appliances		
	Peak power	6000VA	10000VA	20000VA
	Overload	Battery Mode: 1min@102%~110% Load 10s@110%~130% Load 3s@130%~150% Load 200ms@>150% Load		
	Peak efficiency (battery mode)	>94%	>94%	>94%
Battery	Rated voltage	24Vdc	48Vdc	48Vdc
	Constant voltage charging voltage	28.2Vdc	56.4Vdc	56.4Vdc
	Floating charge voltage (Optional)	27Vdc	54Vdc	54Vdc
charger	PV charging method	MPPT	MPPT	Double MPPT
	PV max input power	3500W	5500W	5500W*2PCS
	MPPT tracking range	120~430Vdc	120~430Vdc	120~450Vdc
	Max PV input voltage	450Vdc	450Vdc	450Vdc
	Max PV charging current	60A	120A	80A+80A
	Max AC charging current	60A	120A	80A+80A
	Max charging current	120A	120A	80A+80A
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	Optional	No
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		