

- ▶ 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
- ▶ 450V high PV input
- ▶ Optional WIFI function
- ▶ Working with or without battery



MIS-T Series High frequency inverter data sheet						
Model	MIS 1612T	MIS 3024T	MIS 3624T	MIS 6248T-P	MIS 1148T-P	
Input	Phase	L+N+PE				
	Nominal Voltage	208/220/230/240VAC				
	Voltage Range	154-264VAC±3V (Normal Mode) 185-264VAC±3V (UPS Mode)				
	Frequency Range	50Hz/60Hz(Adaptive)				
Output	Rated Power	1600W	3000W	4500W	6200W	11000W
	Output Voltage(AC)	208/220/230/240VAC±5%				
	On / Off grid	No			Yes	
	Output Frequency	50/60Hz±0.1%				
	Waveform	Pure sine wave				
	Transfer Time( Optional)	10ms for computer , 20ms for home appliances				
	Peak power	3200VA	6000VA	7200VA	12400VA	22000VA
	Overload	Battery Mode : 1min@102%~110% Load 10s@110%~130% Load 3s@130%~150% Load 200ms@>150% Load				
	Peak efficiency (battery mode)	>94%	>94%	>98%	>98%	>98%
	Battery	Rated voltage	12Vdc	24Vdc	24Vdc	48Vdc
Constant voltage charging voltage (Optional)		14.1Vdc	28.2Vdc	28.2Vdc	56.4Vdc	56.4Vdc
Floating charge voltage (Optional)		13.5Vdc	27Vdc	27Vdc	54Vdc	54Vdc
charger	PV charging method	MPPT	MPPT	MPPT	MPPT	MPPT
	PV max input power	2000W	3000W	5000W	6200W	2 X 5500W
	PV max input current	18A	18A	27A	27A	2*27A
	MPPT tracking range	50~400Vdc Sarte UP Voltage 40Vdc	50~500Vdc	80~500Vdc	80~500Vdc	120~500Vdc
	Max PV input voltage	400Vdc	500Vdc	500Vdc	500Vdc	500Vdc
	Max PV charging current	100 A	100 A	120A	100A	150A
	Max AC charging current	60A	60A	100A	100A	150A
Display	LCD display	Operating mode/load/input/output, etc.				
	RS232	5PIN/Pitch2.0mm, baud rate 2400				
Communication port	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	-10~60°C				
	Operating environment humidity	20%~95% (Non condensing)				
	Storage temperature	-15~60°C				
	Altitude	The altitude should not exceed 1000m, derating above 1000m, up to 4000m, refer to IEC62040				
Certifications	noise	<50db				
		EN-IEC 60335-1, EN-IEC 60335-2-29, IEC 62109-1				