

High Frequency Inverter		MTH-3KW	MTH-4KW	MTH-6.2KW	MTH-8.6KW	MTH-11KW
PV (Dc Input)	Recommended max.PV input power	3000W	4000W	6200W	8600W	11000W
	Max.input voltage(Voc)	280V	280V	280V	280V	280V
	MPPT operating voltage range	60-500VDC	60-500VDC	60-500VDC	90-500VDC	90-500VDC
	Number of MPPT	1	1	1	2	2
	Max. number of input strings per MPPT	1	1	1	2	2
	Max. input current per MPPT	18A	27A	27A	27A/27A	27A/27A
	Max.short-circuit current per MPPT	27A	27A	27A	27A	27A
Grid (AC Input)	Max input power	5000W	6500W	8500W	2x6500W	2x6500W
	Max input current	18A	27A	27A	27A/27A	27A/27A
	Rated grid voltage	220/230/240VAC	220/230/240VAC	220/230/240VAC	220/230/240VAC	220/230/240VAC
	Rated grid frequency	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz
	Acceptable range	(Normal Mode):90-280Vac (UPS Mode):170-280Vac	(Normal Mode):90-280Vac (UPS Mode):170-280Vac	(Normal Mode):90-280Vac (UPS Mode):170-280Vac	(Normal Mode):90-280Vac (UPS Mode):170-280Vac	(Normal Mode):90-280Vac (UPS Mode):170-280Vac
Battery parameters (Bidirection)	Battery type	LiFePO4/Lead-acid	LiFePO4/Lead-acid	LiFePO4/Lead-acid	LiFePO4/Lead-acid	LiFePO4/Lead-acid
	Battery voltage range	28.2VDC	28.2VDC	56.4VDC	56.4VDC	56.4VDC
	Rate Battery Voltage	24VDC	24VDC	48VDC	48VDC	48VDC
	Max.charge current	100A	120A	120A	150A	150A
Back-up Output (AC Output)	Rated output power	3000W/6000VA	4000W/8000VA	6200W/12400VA	8600W/17200VA	11000W/22000VA
	Rate output Voltage	220/230/240VAC±5%	220/230/240VAC±5%	220/230/240VAC±5%	220/230/240VAC±5%	220/230/240VAC±5%
	Frequency	50/60Hz±0.1%	50/60Hz±0.1%	50/60Hz±0.1%	50/60Hz±0.1%	50/60Hz±0.1%
	Surge power	6000VA 2s	8000VA 2s	12400VA 2s	17200VA 2s	22000VA 2s
	THDv (@ linear load)	<3%	<3%	<3%	<3%	<3%
	Switching time	10ms typical (For UPS) 20ms typical(For Home Appliances)				
	Peak efficiency	95%	95%	95%	95%	95%
Efficiency	Max.MPPT efficiency	93%	93%	92%	92%	92%
	Inner protection	✓ Output short-circuit protection ✓ Output overvoltage protection ✓ Output low voltage protection				
Protection	Surge protection	PV: Type III, AC: Type III				
	IP rating	IP20				
	Operating temperature range	-10°C~50°C				
General Parameters	Relative humidity range	20%~95%	20%~95%	20%~95%	20%~95%	20%~95%
	Max. operating altitude	>1000m derating	>1000m derating	>1000m derating	>1000m derating	>1000m derating
	Standby self-consumption	8W	8W	8W	8W	8W
	Installation type	Wall-mounted	Wall-mounted	Wall-mounted	Wall-mounted	Wall-mounted
	Cooling mode	Fan cooling	Fan cooling	Fan cooling	Fan cooling	Fan cooling
	communication	RS232	RS232	RS232	RS232	RS232
	Display	LCD	LCD	LCD	LCD	LCD
	Inverter dimensions (L*W*H)(mm)	495*312*125	495*312*125	495*312*125	571*500*148.2	571*500*148.2
Mechanical Specifications	Net weight (kg)	9.13	9.42	10.46	18.99	18.99
	Carton dimensions (L*W*H)(mm)	565*385*195	565*385*195	565*385*195	708*570*241	708*570*241
	Gross weight (kg)	10.35	10.68	11.76	22.21	22.21
	Warranty Period	2 Years				