

High frequency parallel inverter		MTHB-6.2KW	MTHB-8.6KW	MTHB-11KW
PV(Dc Input)	Recommended max.PV input power	6200W	8600W	11000W
	Max.input voltage(Voc)	280V	280V	280V
	MPPT operating voltage range	60-500VDC	90-500VDC	90-500VDC
	Number of MPPT	1	2	2
	Max. number of input strings per MPPT	1	2	2
	Max. input current per MPPT	18A	18A/18A	18A/18A
	Max.short-circuit current per MPPT	27A	27A	27A
On-grid (Bidirection)	Max input power	8500W	2x6500W	2x6500W
	Max input current	18A	18A/18A	18A/18A
	Rated grid voltage	220/230/240VAC	220/230/240VAC	220/230/240VAC
	Rated grid frequency	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
	Standard output current	26.9A	37.4A	47.8A
Battery parameters (Bidirection)	Battery type	LiFePO4/Lead-acid	LiFePO4/Lead-acid	LiFePO4/Lead-acid/water cell
	Battery voltage range	56.4VDC	56.4VDC	56.4VDC
	Rate Battery Voltage	48VDC	48VDC	48VDC
	Max.charge current	120A	150A	150A
Back-up Output (AC Output)	Rated output power	6200W/12400VA	8600W/17200VA	11000W/22000VA
	Rate output Voltage	220/230/240VAC±5%	220/230/240VAC±5%	220/230/240VAC±5%
	Frequency	50/60Hz	50/60Hz	50/60Hz
	Surge power	12400VA 2s	17200VA 2s	22000VA 2s
	THDv (@ linear load)	<3%	<3%	<3%
	Switching time	10ms typical (For UPS) 20ms typical(For Home Appliances)		
	Peak efficiency	95%	95%	95%
Efficiency	Max.MPPT efficiency	93%	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%
	Max. operating altitude	>1000m derating	>1000m derating	>1000m derating
	Standby self-consumption	8W	8W	8W
	Installation type	Wall-mounted	Wall-mounted	Wall-mounted
	Cooling mode	Fan cooling	Fan cooling	Fan cooling
	communication	RS232	RS232	RS232
	Display	LCD	LCD	LCD
	Inverter dimensions (L*W*H)(mm)	495*312*125	570.8*500*148.2	570.8*500*148.2
Mechanical Specifications	Net weight (kg)	10.73	19.31	19.31
	Carton dimensions (L*W*H)(mm)	565*385*195	708*570*241	708*570*241
	Gross weight (kg)	12.14	22.6	22.6
	Warranty Period	2 Years		