

Industrial Frequency Inverter		MTP-10KW	MTP-15KW	MTP-20KW	MTP-30KW
PV(Dc Input)	Recommended max.PV input power	10000W	15000W	20000W	30000W
	Max.input voltage(Voc)	240V	240V	154V	154V
	MPPT operating voltage range	260VDC-420VDC	260VDC-420VDC	260VDC-420VDC	260VDC-420VDC
	Number of MPPT	1	1	1	1
	Max. number of input strings per MPPT	1	1	1	1
	Max. input current per MPPT	50A	50A	50A	50A
	Max.short-circuit current per MPPT	52A	52A	52A	52A
Grid(AC Input)	Max input power	192VDC:1 road 10KW,2 roads 10KW 220VDC:1 road 11.5KW,2 roads 11.5KW 240VDC:1 road 12.5KW,2 roads 12.5KW	192VDC:1 road 10KW,2 roads 10KW 220VDC:1 road 11.5KW,2 roads 11.5KW 240VDC:1 road 12.5KW,2 roads 12.5KW	192VDC:1 road 10KW,2 roads 10KW 220VDC:1 road 11.5KW,2 roads 11.5KW 240VDC:1 road 12.5KW,2 roads 12.5KW	192VDC:1 road 10KW,2 roads 10KW 220VDC:1 road 11.5KW,2 roads 11.5KW 240VDC:1 road 12.5KW,2 roads 12.5KW
	Max input current	50A	50A	50A	50A
	Rated grid voltage	220VAC±20%	220VAC±20%	220VAC±20%	220VAC±20%
	Rated grid frequency	50/60Hz±5%	50/60Hz±5%	50/60Hz±5%	50/60Hz±5%
	Acceptable range	220VAC±20%	220VAC±20%	220VAC±20%	220VAC±20%
Battery parameters (Bidirection)	Battery type	Lead-acid	Lead-acid	Lead-acid	Lead-acid
	Battery voltage range	192/220/240VDC	192/220/240VDC	192/220/240VDC	192/220/240VDC
	Rate Battery Voltage	192VDC/220VDC/240VDC	192VDC/220VDC/240VDC	192VDC/220VDC/240VDC	192VDC/220VDC/240VDC
	Max.charge current	60A	60A	60A	60A
Back-up Output (AC Output)	Rated output power	10000W/10kva	15000W/15kva	20000W/20kva	30000W/30kva
	Rate output Voltage	220VAC±20%	220VAC±20%	220VAC±20%	220VAC±20%
	Frequency	50/60Hz±1%	50/60Hz±1%	50/60Hz±1%	50/60Hz±1%
	Surge power	2400VA 2s	3600VA 2s	4800VA 2s	7200VA 2s
	THDv (@ linear load)	<±5%	<±5%	<±5%	<±5%
	Switching time	<10ms			
	Peak efficiency	96.5%	96.5%	96.5%	96.5%
Efficiency	Max.MPPT efficiency	90%	90%	90%	90%
	Inner protection	√Output short-circuit protection √Output overvoltage protection √Output low voltage protection √Output Battery Low Protection			
Protection	Surge protection	PV: Type III, AC: Type III			
	IP rating	IP21/IP54			
	Operating temperature range	-10°C~40°C			
General Parameters	Relative humidity range	20%~93%	20%~93%	20%~93%	20%~93%
	Max. operating altitude	<1000m derating	<1000m derating	<1000m derating	<1000m derating
	Standby self-consumption	1000W	1500W	2000W	3000W
	Installation type	Vertical	Vertical	Vertical	Vertical
	Cooling mode	Fan cooling	Fan cooling	Fan cooling	Fan cooling
	communication	RS232/RS485/Dry contact	RS232/RS485/Dry contact	RS232/RS485/Dry contact	RS232/RS485/Dry contact
	Display	LCD	LCD	LCD	LCD
	Inverter dimensions (L*W*H)(mm)	536*560*1015	536*560*1015	536*560*1015	635*566*1295
Mechanical Specifications	Net weight (kg)	135	174	195	240
	Carton dimensions (L*W*H)(mm)	675*700*1180	675*700*1180	675*700*1180	760*690*1540
	Gross weight (kg)	145	185	215	257
	Warranty Period	2/3Years			