

Industrial Frequency Inverter		MTP-0.8KW	MTP-1.2KW	MTP-1.6KW	MTP-2.4KW
PV(Dc Input)	Recommended max.PV input power	800W	1200W	1600W	2400W
	Max.input voltage(Voc)	154V	154V	154V	154V
	PWM/MPPT operating voltage range	12V: PWM 15V-50VDC 24V: PWM 30V-105VDC	12V: PWM 15V-50VDC 24V: PWM 30V-105VDC	12V: MPPT 15V-150VDC PWM 30V-50VDC	12V: MPPT 15V-150VDC PWM 30V-50VDC
	Number of MPPT	0	0	1	1
	Max. number of input strings per MPPT	0	0	1	1
	Max. input current per MPPT	60A	60A	60A	60A
	Max.short-circuit current per MPPT	27A	27A	27A	27A
Grid(AC Input)	Max input power	1000W	1500W	2000W	3000W
	Max input current	<6.5A	<10A	<13A	<20A
	Rated grid voltage	220VAC±10%	220VAC±10%	220VAC±10%	220VAC±10%
	Rated grid frequency	50/60Hz	50/60Hz	50/60Hz	50/60Hz
	Acceptable range	154-264Vac (For UPS): 185-264Vac (For Home Appliances)	154-264Vac (For UPS): 185-264Vac (For Home Appliances)	154-264Vac (For UPS): 185-264Vac (For Home Appliances)	154-264Vac (For UPS): 185-264Vac (For Home Appliances)
Battery parameters (Bidirection)	Battery type	LiFePO4/Lead-acid	LiFePO4/Lead-acid	LiFePO4/Lead-acid	LiFePO4/Lead-acid/water cell
	Battery voltage range	10~14.5V	10~14.5V	20-30V	20-30V
	Rate Battery Voltage	12/24VDC	12/24VDC	12/24VDC	12/24/48VDC
	Max.charge current	60A	60A	60A	60A
Back-up Output (AC Output)	Rated output power	800W/1000VA	1200W/1500VA	1600W/2000VA	2400W/3000VA
	Rate output Voltage	220VAC±10%	220VAC±10%	220VAC±10%	220VAC±10%
	Frequency	50/60Hz	50/60Hz	50/60Hz	50/60Hz
	Surge power	2400VA 2s	3600VA 2s	4800VA 2s	7200VA 2s
	THDv (@ linear load)	<3%	<3%	<3%	<3%
	Switching time	10ms typical (For UPS) 20ms typical(For Home Appliances)			
	Peak efficiency	95%	95%	95%	95%
Efficiency	Max.MPPT efficiency	93%	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	5%~95%	5%~95%	5%~95%	5%~95%
	Max. operating altitude	>2000m derating	>2000m derating	>2000m derating	>2000m derating
	Standby self-consumption	10W	15W	20W	30W
	Installation type	Wall-mounted	Wall-mounted	Wall-mounted	Wall-mounted
	Cooling mode	Fan cooling	Fan cooling	Fan cooling	Fan cooling
	communication	RS232	RS232	RS232/RS485	RS232/RS485
	Display	LED	LED	LED	LED
	Inverter dimensions (L*W*H)(mm)	345*254*105	345*254*105	490*312*125	490*312*125
Mechanical Specifications	Net weight (kg)	7.14	8.98	13.53	15.56
	Carton dimensions (L*W*H)(mm)	435*330*180	435*330*180	557*382*195	557*382*195
	Gross weight (kg)	8.11	10.09	14.88	16.78
	Warranty Period	2 Years			