UNINTERRUPTED LIFE

PATTERN®

PURE SINE WAVE INVERTER

PT-TM12548

SOLAR INVERTER



PT-TM12548
12.5KVA 48V

Features :

•Built-in power frequency transformer, more stable operation under various loads and harsh environments, with overload protection, short circuit protection, lightning protection.
•Pure sine wave output, adaptable to various loads.
•The no-load loss is small, less than half of that of high-frequency machines with the same power, saving electricity and extending the discharge time of the battery.
•Adjustable multiple parameters
•Support BMS communication，Supports multiple lithium battery communication protocols
•Support RS485，Optional WIFI

Low Frequency Inverter	
Model	PT-TM12548
Nominal Voltage	220VAC
Input Voltage Range	154-264VAC±3V(Default Mode) 185-264VAC±3V（UPS Mode）
Input Frequency	50/60Hz ±5%
Output Power	10000W
AC Mode Output Voltage	Bypass , same as AC input
AC Mode Output Frequency	Bypass, same as AC input
DC Mode Output Voltage	220VAC ±10%
DC Mode Output Frequency	50HZ or60HZ ±1%
DC Mode Output WaveForm	Sine waave
Battery Type	Supporting Lithium / Lead Acid / GEL / Tubular Battery
Battery Voltage	48VDC
Battery charging voltage	54.8VDC
Maximum Mppt Power (MPPT)	High current model (150V/120A): 48V : 6400W High PV scheme(245V/100A): 48V : 5400W
PV Input Voltage Range (PWM/MPPT)	High current model:48V: 60-150VDC High PV scheme: 48V: 60-245VDC
Maximum Voltage Range (MPPT)	High current model：150VDC / High PV model：245VDC
Best Voltage Range (MPPT)	High current model：48V: 60-105VDC High PV model：48V：60-170VDC
Maximum Charging Current (MPPT)	High current model：120A / High PV model：100A
Maximum Charging Current (AC)	104A(Default83A)
Transfer Time	≤10ms(UPS Mode)/≤20ms(INV Mode)
Peak Power	(MAX)3:1
Stand-by power consumption (W)	Round Transformer
	48V : 32W
Protection	AC mode : Fuse protection for Over-current；
	DC mode : Overload, Short circuit , Low & High Voltage , Battery reverse protection (Fuse)
Status Display	LCD+LED display
	Press the up&down button to Referenace AC Voltage, AC Frequency , PV Voltage , PV Current , Output Voltage & Frequency , Battery Voltage , Load Current etc。
	LED display : AC , Charging, DC, Fault
Alarm	Buzzer Alarm with fault code .
Working Temperature	-10℃~50℃
Storage Temperature	-15℃~45℃
Relative temperature	-10℃~90℃No condensation
Noise	＜45dB
Dimension（L*W*H)mm	545*405*175MM
Package（L*W*H)mm	655*505*257MM
NW./ GW. (KG)	44.77/48.33KG