UNINTERRUPTED LIFE

PATTERN®

PURE SINE WAVE INVERTER

PT-TB5048

SOLAR INVERTER



PT-TB5048
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-TB5048**
Nominal Voltage	220VAC
Input Voltage Range	154-264VAC±3V(Default Mode) 185-264VAC±3V（UPS Mode）
Input Frequency	50/60Hz ±5%
Output Power	4000W
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)	48V: 3200W
PV Input Voltage Range (PWM/MPPT)	48V: MPPT 60V-150VDC
Maximum Voltage Range (MPPT)	48V: MPPT 150VDC
Best Voltage Range (MPPT)	48V: MPPT 60-105VDC
Maximum Charging Current (MPPT)	60A
Maximum Charging Current (AC)	41A(Default33A)
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	465*310*135MM
Package（L*W*H)mm	535*380*195MM(Color box)
NW./ GW. (KG)	20.18/21.43kg