

1500W/2000W Pure Sine Wave Inverter User's Manual

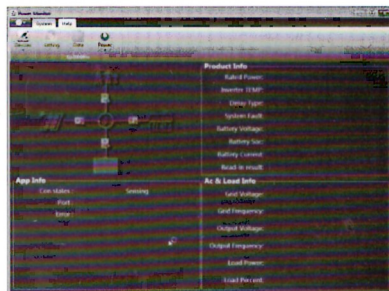
4.Communication

1、Communicate with computer USB-B type COM Socket

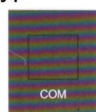
User can use the Computer Application PowerMonitor to view the UPS state and all datas

Computer Application

Application interface



USB-B type COM Socket



2、Communicate with WIFI

User can use the WIFI Device to view the UPS state and all datas

USB-A type WIFI Socket

WIFI Device (Optional)



3、Communicate with Li Battery with BMS

if used Li Battery Pack, and the Battery pack can be communicated through the BMS Socket via Rs232, the UPS can read the Battery pack's all setting datas and battery states, at the same time configure the UPS automatic.

Rj11 type BMS Socket



PIN 1-----6

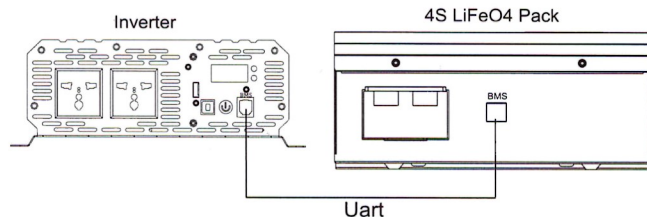
PIN 1,5,6: Not Link

PIN 2: GND

PIN 3: Uart RX

PIN 4: Uart TX

BMS Uart Com Define

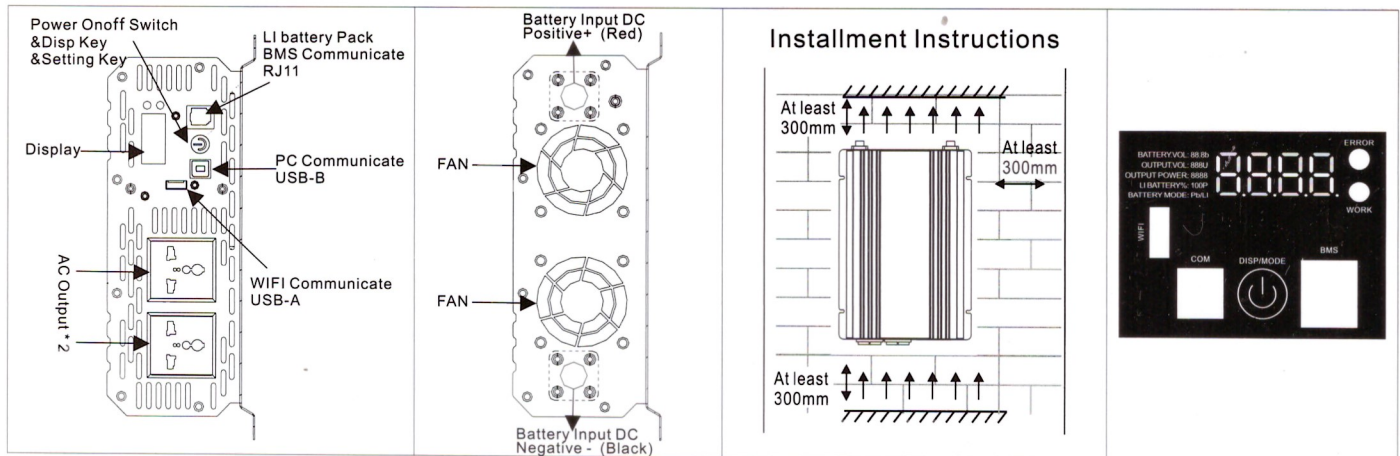


5.Electric Parameters

	PI15-1500W		PI15-2000W	
Model	PI15-1524	PI15-1524LV	PI15-2024	PI15-2024LV
Battery DC Input				
Input Voltage	24VDC		24VDC	
Low Voltage Protect Delay	2 seconds			
Low Voltage Protect	21.0VDC(PB)	23.2VDC(LI)	21.0VDC(PB)	23.2VDC(LI)
Low Voltage Warning	23.0VDC(PB)	24.0VDC(LI)	23.0VDC(PB)	24.0VDC(LI)
Low Voltage Restoring	25.0VDC(PB)	25.6VDC(LI)	25.0VDC(PB)	25.6VDC(LI)
Over Voltage Restoring	29.4VDC(PB)	29.0VDC(LI)	29.4VDC(PB)	29.0VDC(LI)
Over Voltage Protect	30.0VDC(PB)	29.6VDC(LI)	30.0VDC(PB)	29.6VDC(LI)
Inverter AC Output				
Default Power	1500W		2000W	
Peak Power	3000W		4000W	
Output AC Voltage	230V	120V	230V	120V
Output AC Frequency	50Hz	60Hz	50Hz	60Hz
Output Wave	Pure Sine Wave			
Output Wave THD	< 3%			
USB				
USB Output	USB A type -5V1.5A			
Protection				
Battery Input Protection	Low Voltage Protection , Over Voltage Protection			
Inverter Output Protection	Output Overload、Short-Circuit、Over Temperature Protection			
Display				
LED Display	Red:Error Green: System OK			
LED Digital Display	Display BatteryVoltage、OutputPower、OutputVoltage、ErrorNumbers			
Communication				
PC(Default)	USB B type Socket			
WIFI(Optional)	USB A type Socket			
BMS to Li Battery(Optional)	RJ11 type Socket			
Efficiency				
Peak Conversion efficiency	90%			
Environment				
Protection Degree	IP20			
Working Environment	Indoor Fan cooling			
Environmental temperature	0~45℃			
Ambient humidity	20%~90%、No condensation			
Altitude	≤ 3000m			
Size				
L*W*H	380.8*248*90mm			

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1.Exterior and interfaces,Installment

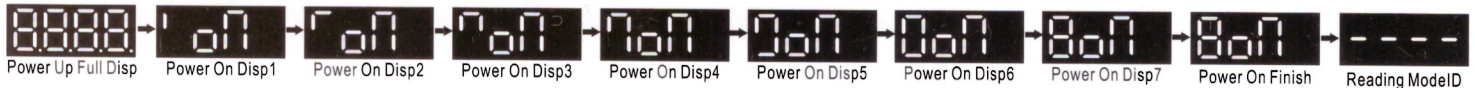


Note: The DC input lines must be lower than 3M length, lower than 1M suggested

2.Display and Key Functions

1) Power Up Disp

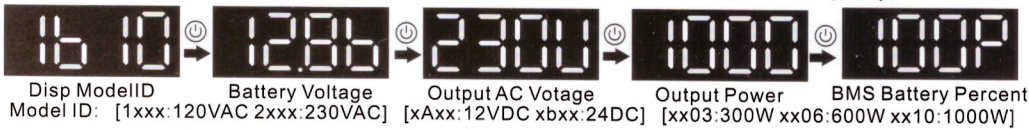
Long Press PowerKey (⏻) and Do not release



2) Display Parameter Exchange

Short Press PowerKey (⏻) Can Change Display Different Parameters

(*Only BMS linked disp)

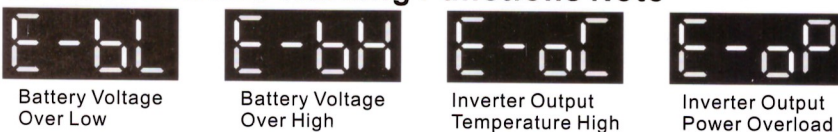


3) Setting Battery Kind between Pb and LI

Long Press PowerKey (⏻) and Do not release



3.Protection and Warning Functions Note



Statue	Buzz Warning
Power ON	Short Beep 1 time
Normal, No Error	No
Battery Input Low Voltage Warning	Short Beep 1 time, Stop 10 seconds
Inverter Output Overload Warning	Short Beep 1 time, Stop 1 seconds
Battery Input Low Voltage Protection	Short Beep 2 time, Stop 2 seconds
Battery Input Over Voltage Protection	Short Beep 6 times, Stop 2 seconds
Inverter Output Over Temperature Protection	Short Beep 3 times, Stop 2 seconds
Inverter Output Overload\Short Circuit Protection	Short Beep 4 times, Stop 2 seconds
Inverter Protect Locked, Need Restart	Short Beep 5 times, Stop 2 seconds