

TPS300户外电源规格书

TPS300

Portable Power Station Specification



TPS300-01AUR（美规US Standard）

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1. 产品描述

1.Product Description

本产品是一款便携式户外电源，适用于家庭应急停电、应急救援、野外工作、户外旅游、露营等应用场合。该产品具有USB、Type-C、DC5.5*2.1、点烟器和AC等不同端口电压输出，100W TYPE-C输入，内置6W LED照明灯及SOS报警功能。系统标配AC适配器19V/3.2A对系统充电，也可选配18V/60-120W太阳能电池板或直流车载充电器进行对系统进行充电。

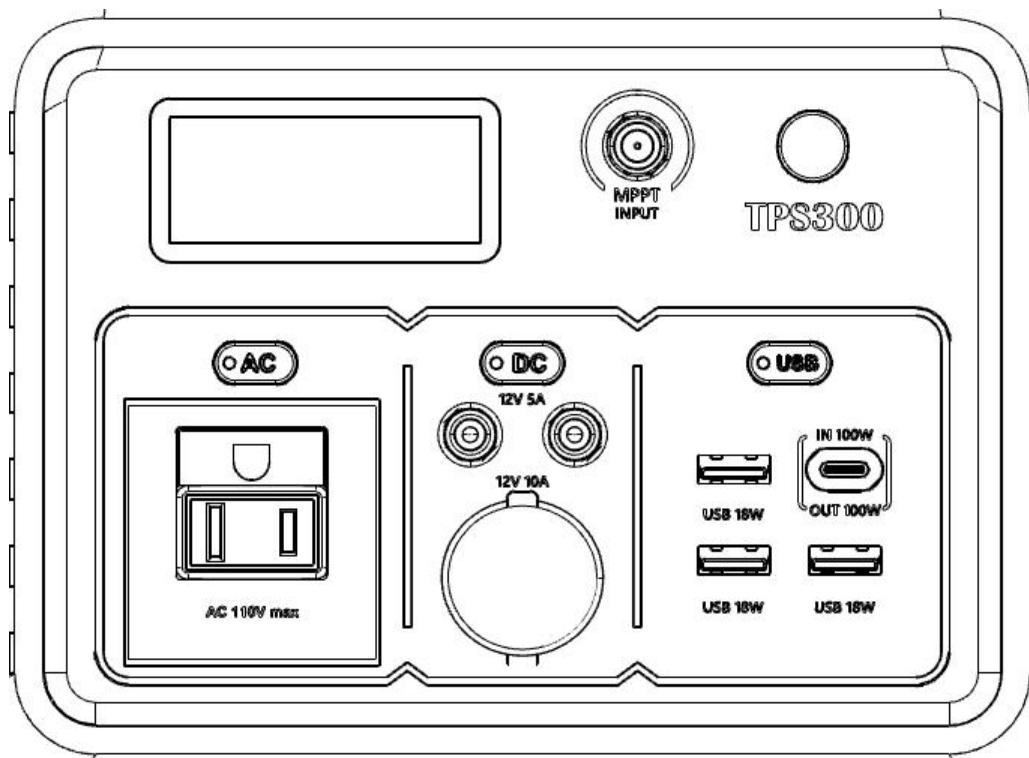
This product is a portable power station, suitable for home emergency power outage, emergency rescue, field work, outdoor travel, camping and other applications. The product has multiple output ports of different voltages such as USB, Type-C, DC5521, cigarette lighter and AC port, 100W Type-C input port, equipped with 6W LED lighting and SOS alarm function. The product package comes standard with AC adapter 19V/3.2A. Optional 18V/60-120W solar panel or DC car charger for charging.

类别	项目Item	规格要求Specifications / Requirements	备注 Rrmark
电 池 组 Battery Pack	电芯 Battery Cell	三元 Li-ion Battery 18650 3.7V 2500mAh 3C	
	电芯组合方式 Configuration	4S8P 20Ah 296Wh	
	电池规格Battery Specification	标称电压: 14.8V, 充满电压: 16.8V Rated Voltage: 14.8V, Full Charge Voltage: 16.8V	
输出功能 Output Function	USB C	QC2.0/3.0 5V@3A, 9V@2.5A, 12V@2A	
	USB A1、USB A2	单口5V@2.4A / USB A1&2 同时5V@4.8A One Working 5V@2.4A / USB A1&2 Both Working 5V@4.8A	
	TYPE-C	PD (PD2.0/3.0) 5V@3A, 9V@3A, 12V@3A, 15V@3A, 20V@3A/5A	双向, Charging & Discharging 100W
	DC1 DC2	13V5A 65W	总 功 率
	点烟口放电 Cigarette Lighter	13V10A 130W	Total Power 130W
	AC	110V 60Hz±1Hz	300W
	DC 充电 DC Charging	电压 11.7-30V, 电流 3.9-5.1A Voltage 11.7-30V, current 3.9-5.1A	

输入功能 Input Function	TYPE-C	PD (PD2.0/3.0) 5V@3A, 9V@3A, 12V@3A, 15V@3A, 20V@3A/5A	双向, Charging & Discharging 100W
照明 Lighting	LED	最大功率 6W; 20%亮度/50%亮度/100%亮度 /SOS/爆闪五挡灯光, 开启后为上次调光记 忆 Max Power: 6W LED Mode: Brightness 20%/50%/100%/SOS/Burst Mode Memory	
产品规格 Product Specifications	颜色Color	黑色 Black	
	重量Weight		
	尺寸Size	204*150*168mm	

2. 前面板控制与显示说明

2.Front Panel Control and Display Description



2.1 按键开关功能

- 1) 电源开关: 单独控制产品显示屏显示功能的开关, 长按下开关后, 显示屏亮起, 再长按开关, 关整机输出;
- 2) AC 按键开关: 控制逆变 AC 输出, 开关打开后按键指示亮起, 关闭后指示熄灭;
- 3) DC 开关: 控制 12V DC5521、点烟器输出, 开关打开后按键指示亮起, 关闭后指示熄灭;
- 4) USB 开关: 控制 USB 输出, 开关打开后按键指示亮起, 关闭后指示熄灭;
- 5) 照明开关: 控制 LED 照明灯、SOS 警示灯;
- 6) Type-C接口: 不受USB开关控制。

2.1 Button Switch Function

- 1) Power Switch: controls the display function, long press to control the product on/off.
- 2) AC Switch: control the AC output, the indication lights up after the switch is turned on and goes off after it is turned off.
- 3) DC Switch: control DC5521 output , cigarette lighter output, the indication lights up after the switch is turned on and goes off after it is turned off.
- 4) USB Switch: control the USB output, the switch is turned on and the indication is turned off.
- 5) Lighting Switch: control LED lighting, SOS warning light.
- 6) Type-C Port: not controlled by the USB switch.

按键操作Button	对应图标显示 Display Icon	功能描述 Description
POWER 开关(有按键提示音) Power Switch	/	长按,开启/关闭屏显 Long press power on/off Turn on/off the screen
USB 开关(有按键提示音、有 按键指示灯) USB Switch		单击,开启/关闭USB Click to turn on/off USB output
DC 开关(有按键提示音、有按 键指示灯) DC Switch		单击,开启/关闭DC Click to turn on/off DC output
AC 开关(有按键提示音、有按 键指示灯) AC Switch		单击,开启/关闭AC 逆变器输出功能 Click to turn on/off AC output

2.2 LCD屏显示信息

2.2 LCD Screen Display



1) 输入功率 Input Power

DC 充电口后，电量跑马灯并显示电量，并显示充电功率。

Plug in DC charging, the screen shows the electricity and displays the charging wattage.

2) 输出功率 Output Power

开关打开后，DC、USB 和AC 任一接口打开后都显示输出的使用功率。

After the product is turned on, the output wattage is displayed when any of DC, USB and AC ports are used.

3) Load Abnormality

输出负载短路或过载等异常，负载异常符号亮起，持续闪烁。

When the output load is short-circuited or overloaded, the load abnormal icon lights up and keeps flashing.

4) 温度过高 Overtemperature

充电和放电过程中温度超过设计值，温度过高符号亮起。

The temperature exceeds the rated value during charging and discharging, and the overtemperature icon lights up.

5) 温度过低 Under Temperature

充电和放电过程中温度低于设计值，温度过低符号亮起。

The temperature is below the rated value during charging and discharging, and the under temperature icon lights up.

6) 电池电量 Battery Electricity

开机或充电时，会显示电池电量

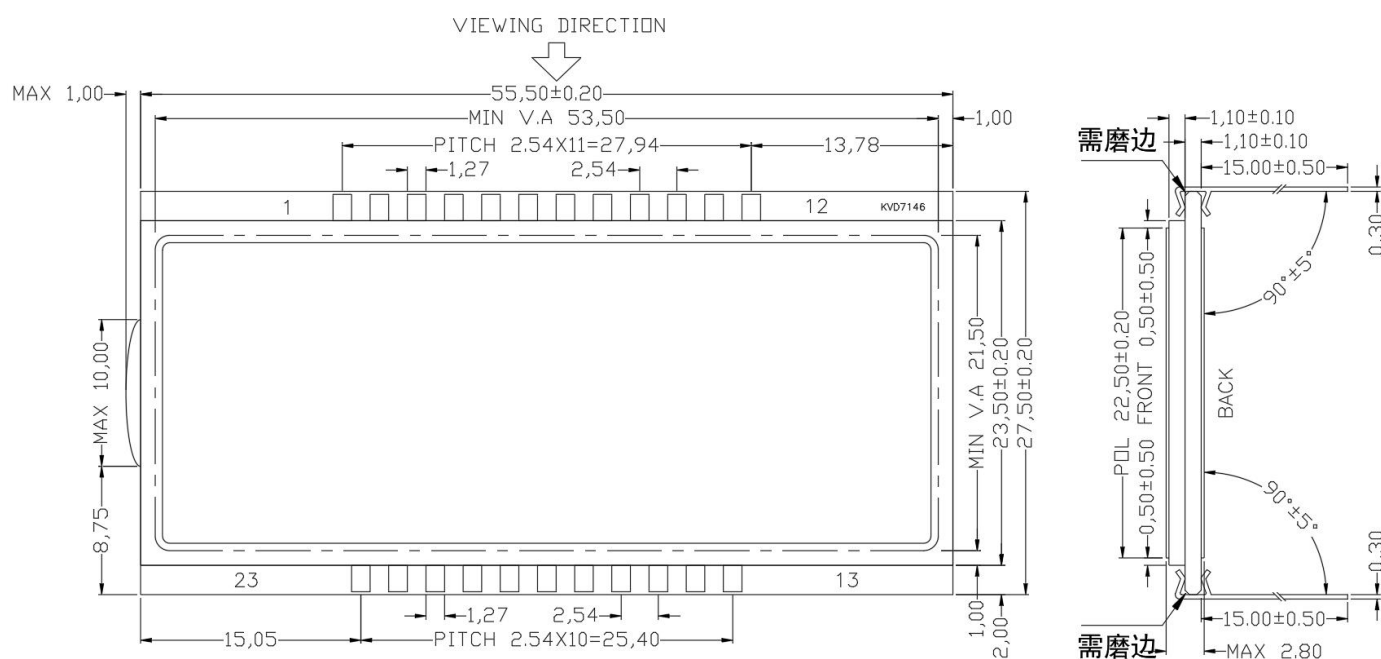
The battery electricity is displayed when the power is turned on or charging.

屏显符号 Display Icon	显示符号说明 Description	
电量指示 Battery Indicator	放电时 Discharging	显示当前剩余电量 Display the current remaining power
	低电量指示 Low Battery Indication	电量低于 5% 时闪烁指示 Flashes when the charge is less than 5%
	充电时 Charging	DC 输入充电时，指示当前电量，百分比个位闪动 When the DC input is charging, the current power is indicated, and the percentage bit flashes
		TYPE C 输入充电时，百分比个位闪动，同时 TYPE-C 闪动 When the TYPE-C input is charged, the percentage bit flashes, and the TYPE-C icon flashes at the same time
	充电满	充电满后静止显示 100% Static display 100% after full charge
开关 Switch	开关按键对应的图标参照面板按键功能 Refer to 2.1 for the icon corresponding to the switch button	
USB 带载指示 	过载时持续闪烁 Flashes continuously when overloaded	
USB Port Icon		

DC 带载指示 	过载时持续闪烁 Flash continuously when overloaded	
TYPE-C 口指示  TYPE-C Port Icon	放电时Discharging	TYPE-C 口有插入设备时, 该图标点亮 When a device is inserted into the TYPE-C port, this icon will light up
	过载时 When the output is overloaded	过载时持续闪烁 Flash continuously
过载Overload 	AC 过载或短路时持续闪烁 Flash continuously when AC overload or short circuit.	
过温Overtemperature 	检测到有超温状态时显示 Flash continuously when overtemperature	
剩余时间 Remaining Time	显示剩余使用时间 Displays the remaining usage time	
功率 Power	显示AC 功率 Displays the AC power	
AC 功率输出指示 AC power output indication	AC 输出口有带载时指示其输出的功率; 无功率显示 0W, 输出功率过载时该功率值闪烁提示; 常开模式时显示 000W; 输出大于 10W 时显示功率 The AC output port has the power to indicate its output when there is a load; No power display 0w, when the output power is overloaded, the power value flickering prompt; When the frequent opening mode,it displays 000W;It will display the power when the output more than 10W.	

2.3屏外观尺寸

2.3 Screen size



3. 各端口输出参数

3. Each port output parameter

3.1.1 DC7909输入端口参数

3.1.1 DC7909 Input port parameters

项 目 Item	最小值 Minimum value	标 准 Standard Value	最大值 Maximum Value	备注 Remark
标准输入电压范围 Standard input voltage range	11.7Vdc	/	30Vdc	选配60-120W/18V 太阳能板充电 Optional 60-120W/18V charging solar panel
输入端充电电流 Input port charging current			5.1A	电芯端最大允许电流 10A The maximum allowable current at the battery cell is 10A
输入极性反接保护 Input polar anti - connection protection	---	支持 Support	---	输入接反时无法充电, 显示屏无显示 When the input is inversely connected, the battery cannot be charged and no display on the screen
输入短路保护 Input short circuit protection	---	支持 Support	---	输入短路时无法充电, 显示屏无显示 When the input short circuit occurs, the battery cannot be charged and no display on the screen

3.1.2 Type-C 输入端口参数 3.1.2 Type-C Input port parameters

项 目 Item	最小值 Minimum value	标 准 Standard Value	最大值 Maximum Value	备注 Remark
标准输入电压范围 Standard input voltage range	4.75	5	22	
输入端最大充电电流 Input port max charging current		5		电芯端最大允许电流 10A The maximum allowable current at the battery core is 10A
输入极性反接保护 Input polar anti - connection protection	---	支持 Support	---	输入接反时无法充电, 显示屏无显示 When the input is inversely connected, the battery cannot be charged and no display on the screen
输入短路保护 Input short circuit protection	---	支持 Support	---	输入短路时无法充电, 显示屏无显示 When the input short circuit occurs, the battery cannot be charged and no display

				on the screen
--	--	--	--	---------------

3.2 DC5521 输出端口参数 3.2 DC5521 Output port parameters

项 目 Item	最小值 Minimum value	标 准 Standard Value	最大值 Maximum Value	备注 Remark
输出电压范围 Output voltage range	12.0Vdc	12.6	13Vdc	
额定输出电流 Rated output current	---	5A	---	
限流保护 Current limiting protection	5.5A	6A	6.8A	输出电流超过此限流点会关闭输出，过流解除后需手动按 DC 开关恢复输出 When the output current exceeds this current limit point, the output will be turn off, After the overcurrent is removed, manually press the DC switch to restore output
短路保护 Short circuit protection	---	支持 Support	---	输出端子、线材或外部设备短路，输出口停止输出，当短路解除，需手动按 DC 开关恢复输出，在短路过程产品不造成恶性事件 When the output terminal ,wire or external device is short-circuited, the port will stop output;when the short circuit remove, manually press the DC switch to restore output; In the short -circuit process, the product does not cause malignant incidents.

3.3 车充口输出端口参数 3.3 Car charger output port parameters

项 目 Item	最小值 Minimum value	标 准 Standard Value	最大值 Maximum Value	备注 Remark
输出电压范围 Output voltage range	12.6Vdc	13.1	13.6Vdc	电池组额定输入 12.8-16.8Vdc The battery pack rated input voltage is 12.8-16.8 Vdc
额定输出电流 Rated output current	---	10A	---	
限流保护 Current limiting protection	10A	10.5A	10.8A	输出电流超过此限流点会关闭输出，过流解除后，需手动按 DC 开关恢复输出 When the output current exceeds this current limit

				point, the output will be turn off, After the overcurrent is removed, manually press the DC switch to restore output.
短路保护 Short circuit protection	---	支持 Support	---	输出端子、线材或外部设备短路，输出口停止输出，当短路解除，需手动按 DC 开关恢复输出，在短路过程产品不造成恶性事件 When the output terminal ,wire or external device is short-circuited, the port will stop output;when the short circuit remove, manually press the DC switch to restore output; In the short -circuit process, the product does not cause malignant incidents

3.4 USB 输出端口参数 3.4 USB Output port parameters

项 目 Item	最小值 Minimum value	标 准 Standard Value	最大值 Maximum Value	备注 Remark
5V 空载输 出电压 5V no-load output voltage	4.8V	5.0V	5.30V	输出空载条件下，测量产品 USB 输出端口电压 Under the no-load output condition, measure the voltage of the USB output port of the product
5V 满载输出电压 5V full load output voltage	4.6V	5.0V	5.20V	输出满载条件下，测量产品 USB 输出端口电压 Under the full load output condition, measure the voltage of the USB output port of the product
5V 额定输出电流 5V rated output current	---	3A	---	
输出电压纹波 Output voltage ripple	---	---	200mVp-p	额定条件，设置示波器带宽 20MHz，测试端并接 10μF 电解电容与 0.1 μF陶瓷电容 For rated condition, set oscilloscope bandwidth 20MHz,the test side connect 10μF electrolytic capacitor and 0.1μF ceramic capacitor.
空载输出电压 No-load output voltage	8.80V	9V	9.3V	输出空载条件下，测量产品 USB 输出端口电压 Under the no-load output condition, measure the voltage of the USB output port of the product

9V 满载输出电压 9V full load output voltage	8.60V	8.8V	9.2V	输出满载条件下，测量产品 USB 输出端口电压 Under the full load output condition, measure the voltage of the USB output port of the product
9V 额定输出电流 9V rated output current	---	2.0A	---	
输出电压纹波 Output voltage ripple	---	---	200mVp-p	额定条件，设置示波器带宽 20MHz，测试端并接 10 μ F 电解电容与 0.1 μ F 陶瓷电容 For rated condition, set oscilloscope bandwidth 20MHz,the test side connect 10 μ F electrolytic capacitor and 0.1 μ F ceramic capacitor
12V 空载输出电压 12V No-load output voltage	-0.5V	12V	12.3V	电池组额定输入 9~12.6Vdc The battery pack rated input voltage is 9~12.6Vdc
12V 满载输出电压 12V full load output voltage	-0.6V		12.2V	输出满载条件下，测量产品 USB 输出端口电压 Under the full load output condition, measure the voltage of the USB output port of the product
12V 额定输出电流 12V rated output current	---	1.5A	---	
输出电压纹波 Output voltage ripple	---	---	200mVp-p	额定条件，设置示波器带宽 20MHz，测试端并接 10 μ F 电解电容与 0.1 μ F 陶瓷电容 For rated condition, set oscilloscope bandwidth 20MHz,the test side connect 10 μ F electrolytic capacitor and 0.1 μ F ceramic capacitor
自动识别 Automatic identification	---	支持	---	QC3.0 协议，根据不同负载输出相应电压、电流 QC3.0 protocol, Output the corresponding voltage and current according to different load output
噪声 Noise	---	---	---	空载、半载、满载输出，环境 30DB，离耳 10CM 无异声 When no-Load,half-load,full-load output,the environment noise is 30DB, there is no sound away

				from the ear 10cm.
最大输出限流 Maximum output current limiting	3.3A	3.5A	3.7A	
短路保护 Short circuit protection	---	支持 Support	---	输出端子、线材或外部设备短路，输出口停止输出，当短路解除，自动恢复输出，在短路过程产品不造成恶性事件 When the output terminal ,wire or external device is short-circuited, the port will stop output;when the short circuit remove, it will restore output automatically; In the short -circuit process, the product does not cause malignant incident

3.5 Type-C 输出端口参数 3.5 Type-C output port parameters

项 目 Item	最小值 Minimum value	标 准 Standard Value	最大值 Maximum Value	备注 Remark
5V 空载输出电压 5V no-load output voltage	4.8V	5.0V	5.30V	输出空载条件下，测量产品 USB 输出端口电压 Under the No-load output condition, measure the voltage of the USB output port of the product
5V 满载输出电压 5V full-load output voltage	4.6V	5.0V	5.20V	输出满载条件下，测量产品 USB 输出端口电压 Under the full load output condition, measure the voltage of the USB output port of the product
5V 额定输出电流 5V rated output current	---	3A	---	
输出电压纹波 Output voltage ripple	---	---	200mVp-p	额定条件，设置示波器带宽 20MHz，测试端并接 10μF 电解电容与 0.1 μF陶瓷电容 For rated condition, set oscilloscope bandwidth 20MHz,the test side connect 10μF electrolytic capacitor and 0.1μF ceramic capacitor
空载输出电压 No-load output voltage	8.80V	9V	9.3V	输出空载条件下，测量产品 USB 输出端口电压 Under the No-load output condition, measure the voltage of the USB output port of the product
9V 满载输出电压	8.60V	8.8V	9.2V	输出满载条件下，测量产品 USB 输出端口电压

9V full load output voltage				Under the full load output condition, measure the voltage of the USB output port of the product
9V 额定输出电流 9V rated output current	---	2.0A	---	
输出电压纹波 Output voltage ripple	---	---	300mVp-p	额定条件, 设置示波器带宽 20MHz, 测试端并接 10μF 电解电容与 0.1 μF陶瓷电容 For rated condition, set oscilloscope bandwidth 20MHz,the test side connect 10μF electrolytic capacitor and 0.1μF ceramic capacitor
12V 空载输出电压 12V No-load output voltage	11.5V	12V	12.3V	电池组额定输入 9~12.6Vdc The battery pack rated input voltage is 9~12.6Vdc
12V 满载输出电压 12V full load output voltage	11.5V		12.2V	输出满载条件下, 测量产品 USB 输出端口电压 Under the full load output condition, measure the voltage of the USB output port of the product
12V 额定输出电流 12V rated output current	---	1.5A	---	
输出电压纹波 Output voltage ripple	---	---	300mVp-p	额定条件, 设置示波器带宽 20MHz, 测试端并接 10μF 电解电容与 0.1μF陶瓷电容 For rated condition, set oscilloscope bandwidth 20MHz,the test side connect 10μF electrolytic capacitor and 0.1μF ceramic capacitor
20V 空载输出电压 20V No-load output voltage		20V		
20V 额定输出电流 20V rated output current	---	5A	---	
输出电压纹波 Output voltage ripple	---	---	500mVp-p	额定条件, 设置示波器带宽 20MHz, 测试端并接 10μF 电解电容与 0.1 μF陶瓷电容 For rated condition, set oscilloscope bandwidth 20MHz,the test side connect 10μF electrolytic capacitor and 0.1μF ceramic capacitor
自动识别 Automatic identification	---	支持 Support	---	QC3.0 协议, 根据不同负载输出相应电压、电流 QC3.0 protocol, Output the corresponding voltage and current according to different load output
噪声 Noise	---	---	---	空载、半载、满载输出, 环境 30DB, 离耳 10CM

				无异声 When no-Load,half-load, full-load output, the environment noise is 30DB, there is no sound away from the ear 10cm.
最大输出限流 Maximum output current limiting	---	5A	---	
短路保护 Short circuit protection	---	支持 Support	---	输出端子、线材或外部设备短路，输出口停止输出，当短路解除，自动恢复输出，在短路过程产品不造成恶性事件 When the output terminal ,wire or external device is short-circuited, the port will stop output;when the short circuit remove, it will restore output automatically; In the short -circuit process, the product does not cause malignant incident.

3.6 AC 交流输出端口参数

3.6 AC Output port parameters

项 目 Item	最小值 Minimum value	标 准 Standard Value	最大值 Maximum Value	备注 Remark
额定输出电压 Rated output voltage	100Vac	110Vac	120Vac	输出空载条件下，测量产品 USB 输出端口电压 Measure the USB output port voltage of the product under no-load sine wave output condition
输出波形 Discharge waveform	---	正弦波 Sine wave	---	
输出频率 Output frequency	59Hz	60Hz	61Hz	
额定输出功率 Output rating	---	300W	---	电池模组额定输入12.8-16.8Vdc 额定负载 Rated input of battery module 12.8-16.8 Vdc rated load
峰值输出功率 Maximum output	---	600W	---	
输出功率因数 Output power factor	0.5	---	1.0	电池模组额定输入12.8-16.8Vdc 额定负载 Rated input of battery module 12.8-16.8 Vdc rated load

过载保护 Overload protection	310W	330W	350W	负载功率大于 330W 后触发过载保护 (根据调试情况具体定义) Overload protection is triggered when the load power is greater than 330W
噪声 Noise				空载输出, 环境 30DB, 离耳朵 10cm 无异声 No load output, environment 30DB, no abnormal sound 10cm away from the product
逆变过温保护 Overtemperature protection of inverter	85°C	90°C	95°C	保护之后停止逆变输出, 需要手动恢复 After protection working, the inverter output is stopped and needs to be restored manually
短路保护 Short circuit protection	---	支持 Support	---	输出端子、线材或外部设备短路, 输出口停止输出, 当短路解除, 自动恢复输出, 在短路过程产品不造成恶性事件 When the output terminal ,wire or external device is short-circuited, the port will stop output;when the short circuit remove, it will restore output automatically; In the short - circuit process, the product does not cause malignant incident

3.7 LED 照明灯参数

3.7 LED Lighting Parameters

项 目 Item	最小值 Minimum value	标 准 Standard Value	最大值 Maximum Value	备注 Remark
照明灯功率 Lighting power	---	6W	---	0.2W LED
色温 Color temperature	6000K	6500K	---	
工作模式 Work Mode	短按: 20%亮度/50%亮度/100%亮度/SOS/爆闪五挡循环灯光, 开启后为上次调光记忆 Click: five modes: 20% brightness/50% brightness/100% brightness/SOS/burst. When it is turned on, it is the last dimming memory			

3.8 系统保护功能

3.8 System Protection Function

项 目 Item	最小值 Minimum value	标 准 Standard Value	最大值 Maximum Value	备注 Remark
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低电保护 Low voltage protection	11V	11.5V	12V	放电电压达到低电保护电压时，产品停止工作 When the discharge voltage reaches the low protection voltage, the product stops working
充电高温保护 High temperature protection during charging	45 °C	50 °C	55 °C	电芯温度超过该范围，禁止给电池充电 Do not charge the battery if the battery cell temperature exceeds this range
充电高温保护恢复 High temperature protection recovery during charging	40 °C	45 °C	50 °C	自动恢复 Automatic recovery
充电低温保护 Low temperature protection during charging	-5 °C	0 °C	5 °C	电池温度低于等于 0 °C，禁止给电池充电 Do not charge the battery when the battery temperature is lower than or equal to 0 °C
充电低温保护恢复 Low temperature protection recovery during charging	0 °C	5 °C	10 °C	自动恢复 Automatic recovery
放电高温保护 High temperature protection during discharging	55 °C	65 °C	70 °C	电芯温度超过该值，禁止电池放电 Do not discharge the battery if the battery cell temperature exceeds this range
放电高温保护恢复 High temperature protection recovery during discharging	40 °C	50 °C	55 °C	不能自动恢复，须按按键恢复 Unable to recover automatically, press the button to recover
放电低温保护 Low temperature protection during discharging	-25 °C	-20 °C	-15 °C	电芯温度超过该值，禁止电池放电 Do not discharge the battery if the battery cell temperature exceeds this range
放电低温保护恢复 Low temperature protection recovery during discharging	-20 °C	-15 °C	-10 °C	不能自动恢复，须按按键恢复 Unable to recover automatically, press the button to recover
总功率保护 Total power protection	300W	330W	360W	1、AC+DC+USB 输出总功率达到 330W 后，会优先关闭 AC 输出，保留DC、USB 输出 2、单 AC 达到 330W 后，会停止 AC 输出 1. When the total output power of AC+DC+USB reaches 330W, the AC output will be stopped preferentially, the DC and USB outputs will be retained 2. When the single AC reaches 330W, the AC output will be stopped
峰值功率 Max Power	-----	-----	600W	

3.9 产品关机自耗电流和休眠

3.9 Product shutdown self-current consumption and sleep

项 目 Item	标 准 Standard	备注 Remark
整机待机电流 Standby current	< 400uA	产品处于关机状态 The product is in the shutdown state
显示屏开关 Display switch	不休眠 No sleep	
DC 输出 DC Output	不休眠 No sleep	
USB 输出 USB Output	不休眠 No sleep	
AC 输出 AC Output	AC 无负载时, 4 小时会关闭 AC 输出 AC output will be turned off after 4 hours when there is no load on AC	

为了满足小功率产品的小电流供电和充电及制冷设备在保温状态（工作电流很小）后还能启动，所有输出端口都不带休眠功能。产品任一输出端口不用时要及时关闭该端口输出，整机不使用时要关闭总开关，防止产品自耗电

In order to meet the small power products and charging and refrigeration equipment in the insulation state (working current is very small) can still start, all the output ports are without the sleep function. When any output of the product stops using, the output switch should be turned off in time, and when the product stops using, the main switch should be turned off to prevent the product from self-consumption of electricity.

4. 工作环境参数

4. Working Environment Parameters

项 目 Item	最小值 Minimum value	标 准 Standard Value	最大值 Maximum Value	备注 Remark
充电温度 Charging temperature	0 °C	---	45 °C	产品正常工作的环境温度 Normal working environment temperature
放电温度 Discharging temperature	-10 °C	---	60 °C	产品正常工作的环境温度 Normal working environment temperature
存储温度 Storage temperature	-20 °C	---	45 °C	产品不工作，且在存储温度范围内，适用于存储 The product is shut down and within the storage temperature range, suitable for storage
工作湿度 Working humidity	10%	---	90%	产品正常工作的环境湿度 Normal working environment humidity
存储湿度 Storage humidity		---	45%	产品不工作在存储湿度范围内，适用于存储 The product is shut down and within the storage temperature range, suitable for storage

Note 备注:

- 1.产品置于高温环境 (60 °C) 放电时, 当系统检测到电池电芯的温度超过 65 °C时。为保证电芯安全使用则所有输出端口关闭输出, 此时电芯将禁止放电。
2. 产品置于低温环境 (-10 °C) 放电时, 当系统检测到电池电芯的温度低于 -20 °C时。为保证电芯安全使用则所有输出端口关闭输出, 此时电芯将禁止放电。
3. 产品置于高温环境 (45 °C) 充电时, 当系统检测到电池电芯的温度超过 50 °C时。为保证电芯安全使用则关闭充电端口, 将禁止充电。
4. 产品置于低温环境 (0 °C) 充电时, 当系统检测到电池电芯的温度低于 0 °C时。为保证电芯安全使用则关闭充电端口, 将禁止充电。

Note:

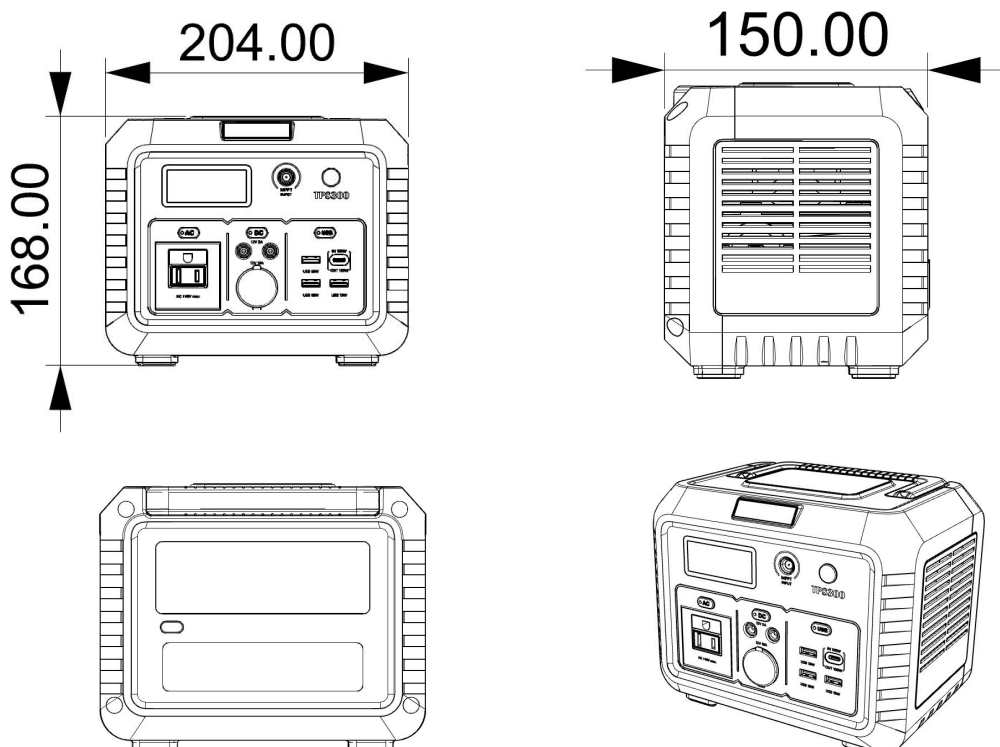
1. The product is discharged in a high-temperature environment (60 °C) when the system detects that the temperature of the battery cell exceeds 65 °C. To ensure safety, all output ports are closed and discharge is prohibited.
2. The product is discharged in a low temperature environment (- 10 °C) when the system detects that the temperature of the battery cell is lower than - 20 °C. To ensure safety, all output ports are closed and discharge is prohibited.
3. The product is placed in a high temperature environment (45 °C) for charging. When the system detects that the temperature of the battery cell exceeds 50 °C. To ensure safety, close the charging port and prohibit charging.
4. The product is charged in a low temperature environment (0 °C). When the system detects that the temperature of the battery cell is lower than 0 °C. To ensure safety, close the charging port and prohibit charging.

5. 产品尺寸图

5. Product Dimensions Diagram

单位: mm

Unit: mm



6. 老化要求

6.Aging Requirements

在量产之前, 需要进行一次完整的老化循环, 完成后进行完整的功能外观检验; 量产时老化顺序如下: 先充满电, 再放完, 再充 50%~60% 的电量, 需要记录老化结果。

7. 包装清单

7. Packing list

NO	项目/规格 Item/Specification	数量 Quantity
1	主机 Portable Power Station	1
2	车载充电线 Car Charging Cable	1
3	AC适配器 AC Adapter	1
4	使用手册 User Manual	1

8. 充电说明

9. Charging Instructions

充电电压不得超出本规格书中所规定的最大值充电器的设计应满足本规格书的要求使用超出本规格书要求的电流和电压范围可能引起安全性能的问题。

The charging voltage shall not exceed the maximum value specified in this specification. The charger shall meet the requirements of this specification. If the current and voltage range exceeds the requirements of this specification, it may cause safety performance problems.

10. 存放注意事项

10.Storage Cautions

电池储存超过 3 个月, 请客户对产品用规定参数范围的充电器给产品进行一次使用和充电, 约 50-60% 电量储存。
If the battery has been stored for more than 3 months, please use the charger within the specified parameter range to charge the product once and store about 50-60% of the power.

11. 产品使用时警告事项及注意事项

11.Warnings and Cautions During Use

1. 请勿将产品放进水中！
2. 请勿将产品加热或靠近火源！ 请勿将产品擅自拆卸、改造！ 请勿将产品强力重击！
3. 禁止在高温下（炙热的阳光下或很热的汽车中）使用或放置，否则可能会引起电池过热，起火或功能失效、寿命减短。
4. 请勿使本机短路。为避免短路，请使本机远离所有金属物体。
5. 远离高湿度，多尘的地方
6. 请勿拆卸或重新组装本机。
7. 请勿摔落，放置重物或对其造成强烈冲击。
8. 本产品不适合具有以下危险的人 使用：身体，感官或心理能力下降，或缺乏经验并且知识，除非得到有关他们的监督或指导负责其安全的人员使用本设备。
9. 应该对儿童进行监督，以确保他们不要玩耍本产品。
10. 请勿用毛巾，衣服和其他物品覆盖设备。
11. 充满电后，请及时拔掉充电器。
12. 正确使用本机，以避免电击。
13. 请按照规定处理废品，请勿将内置电池当作生活垃圾处理，以免造成爆炸和污染。
14. 本产品仅用于紧急情况，不能替代家用电器或数字产品的标准直流或交流电源。

1. Do not put the product into water!
2. Do not heat the product or get close to the fire source! Do not disassemble or modify the product! Do not hit the product!
3. It is prohibited to use or place the battery under high temperature (hot sunlight or in a hot car), otherwise it may cause battery overheating, fire or functional failure, and shorten the service life of the battery.
4. Do not short-circuit the product. To avoid short circuit, please keep the product away from all metal objects.
5. Keep away from high humidity and dusty places.
6. Do not disassemble or reassemble the product.
7. Do not drop the product, place heavy objects on it or cause strong impact on it.
8. 8. This product is not suitable for people with the following conditions:
Physical, sensory, or psychological abilities decline,
Lack of experience and knowledge,
Operate this product only under the supervision or guidance of the person responsible for their safety.
9. Children should be supervised to ensure that they do not play with this product.
10. Do not cover the equipment with towels, clothes or other items.
11. After fully charged, please unplug the charger in time.
12. Use the product correctly to avoid electric shock.
13. Please dispose of waste products according to the regulations. Do not treat the built-in battery as domestic waste to avoid explosion and pollution.
14. This product is only used in emergency situations and cannot replace the standard DC or AC power supply of household appliances or digital products.