



便携式储能产品

Portable Energy Storage

便携式储能电源

HPQ0300E~HPQ0700E

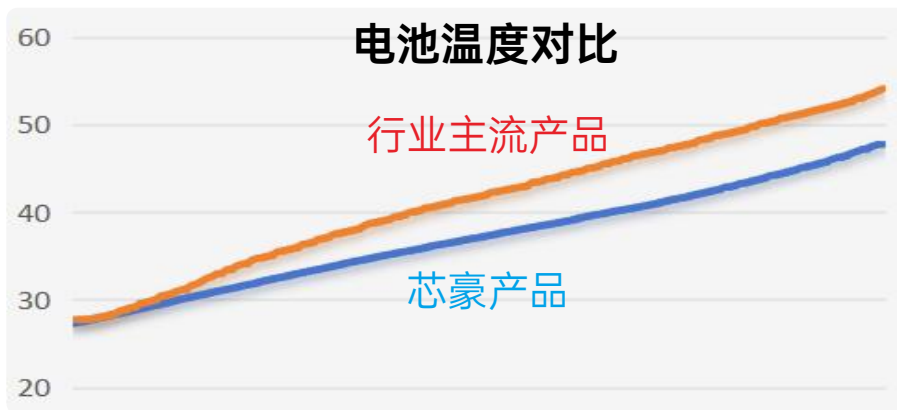


产品特点

- 磷酸铁锂A品电芯，更安全、更长的循环使用寿命
- 纯正弦波交流输出，不损伤电器，更强的适应性
- 多样性的充电方式，支持AC充电、PV充电、车载充电等
- 全面的系统设计，为电池提供八重安全保护
- 丰富的输出端口，可同时为多台设备提供能量
- 隐藏式提手设计，户外出行携带更加方便

产品亮点

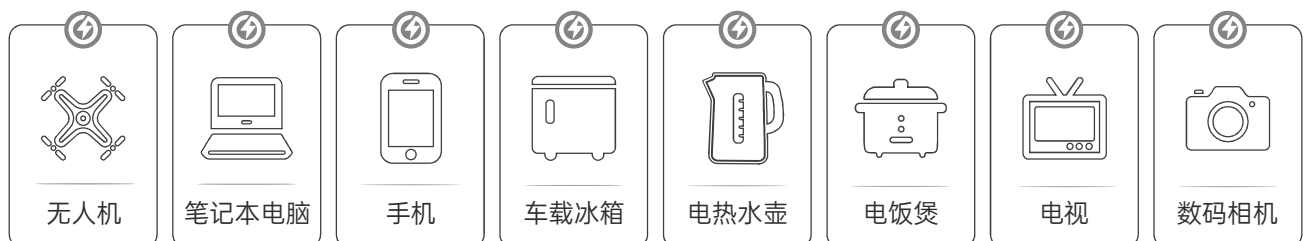
- 交流160~280V超宽充电电压范围,大于行业主流180~260V
- 逆变功率拓扑比主流产品多一级调制，充电纹波更低，减少对电池的冲击，延长电池寿命
- 可定制化设计，满足客户不同需求
- 智能电网自适应，支持弱电网情况下正常发电
- 电池精准温控，较主流产品低5°C，电池寿命更长
- 具备升维驱动功能，带载功率更大，带载种类更多
- 具备光伏并网发电功能
- 具备自动除尘功能
- 语音控制功能（选配）



应用场景



数码娱乐，户外使用，随心所欲，无需担心电量问题，告别续航焦虑





HPQ0300E~HPQ0700E产品参数

型号	HPQ0300E	HPQ0400E	HPQ0500E	HPQ0600E	HPQ0700E
电池容量	512Wh				
输出规格					
交流输出 (2路)	230Vac,1.3A,50/60Hz 总共300W(峰值600W)	230Vac,1.8A,50/60Hz 总共400W(峰值800W)	230Vac,2.2A,50/60Hz 总共500W(峰值1000W)	230Vac,2.7A,50/60Hz 总共600W(峰值1200W)	230Vac,3.1A,50/60Hz 总共700W(峰值1400W)
交流输出旁路模式 (2路)	220~240Vac,50/60Hz,总共1495W				
USB-A 1快充输出(1路)	5/9/12Vdc,1.5A; 最大18W				
USB-A2/3输出 (2路)	单口5Vdc,2.4A;总共5Vdc,3A;最大15W				
TYPE-C 输出 (1路)	5/9/12/15Vdc,3A; 20Vdc,5A;最大100W				
DC12V 输出 (2路)	单口 12Vdc,3A,36W				
车充口输出	12Vdc,10A;最大120W				
无线充电输出	5W/7.5W/10W/15W				
LED 应急照明	2W,3种模式切换				
DC12V 输出和车充口输出功率共享, 最大输出 120W。					
输入规格					
充电功率	220~240Vac,50/60Hz,最大10A,				
充电时间	AC 直充/1.3小时				
太阳能/直流充电输入	11V-50Vdc,最大13A、300W				
车充充电输入	12V/24Vdc,最大8A、100W				
电池参数					
电芯材料	LiFePO4				
电池标准循环寿命	3000 次充放电循环后电池剩余容量≥ 80%				
保护功能	高温保护, 低温保护, 充电过压保护, 放电欠压保护, 充电过流保护, 放电过流保护, 过载保护, 短路保护				
电池标准循环寿命是在环境温度 25℃下实验室测得的数据, 实际数据根据用户具体的使用情况会有偏差。					
常规参数					
尺寸 W*D*H (mm)	280*190*196				
重量 (kg)	6.3				
工作环境					
充电环境温度	0°C~45°C				
放电环境温度	-10°C~45°C				
储存环境温度	-20°C~45°C				
相对湿度	10~90% 无凝露				
海拔高度	< 2000m				
防护等级	IP20				
工作环境					
认证证书	CE-RED(Safety&EMC)、UKCA-RED(Safety&EMC)、RCM、SAA、RoHS、UN38.3				

注意: 本系列产品是否能正常的充放电是由电池组的实际温度决定的。

规格指标若有变动, 恕不另行通知。



PORTABLE ENERGY STORAGE POWER SUPPLY

HPQ0300E ~ 0700E SERIES

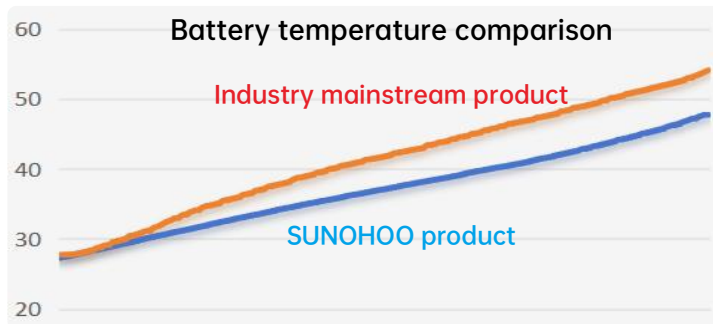


Product Features

- ◎ LiFePO4 battery, safer and longer cycle life
- ◎ Pure sine wave AC output, no damage to electrical appliances, stronger adaptability.
- ◎ Diversified charging methods, support AC charging, PV charging, on-board charging, etc.
- ◎ Comprehensive system design to provide eight-fold safety protection for the battery.
- ◎ Abundant output ports to power multiple devices simultaneously.
- ◎ The hidden handle design makes it easier to carry outdoors.

Product Highlight

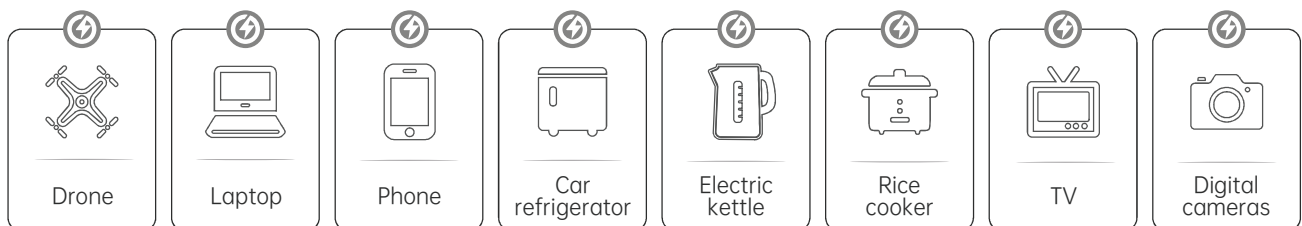
- ◎ Low charging ripple reduces impact on the battery and extends its lifespan.
- ◎ Can set the photovoltaic grid-connected mode.
- ◎ Equipped with uphill driving function, with higher load power and more types of loads.
- ◎ With automatic dust removal function.
- ◎ Voice control function.(Optional)
- ◎ Accurate temperature control of battery, 5°C lower than mainstream products, and longer battery life.
- ◎ AC160~280V ultra-wide charging voltage input range, greater than industry mainstream 180~260V.
- ◎ Power grid self-adaptation, supporting normal power generation under weak grid conditions.
- ◎ Customizable design to meet different customer needs.



Application Scenarios



Digital entertainment, outdoor use, do whatever you want, no need to worry about power problems, say goodbye to battery life anxiety





HPQ0300E ~ HPQ0700E Product Data Sheet

MODEL	HPQ0300E	HPQ0400E	HPQ0500E	HPQ0600E	HPQ0700E
Battery Capacity	512Wh				
Output specifications					
AC Output (*2)	230Vac~1.3A,50/60Hz Total 300W(Peak 600W)	230Vac~1.8A,50/60Hz Total 400W(Peak 800W)	230Vac~2.2A,50/60Hz Total 500W(Peak 1000W)	230Vac~2.7A,50/60Hz Total 600W(Peak 1200W)	230Vac~3.1A,50/60Hz Total 700W(Peak 1400W)
AC Output bypass mode (*2)	220-240Vac,50/60Hz,Total 1495W				
USB-A 1 Fastcharge Output(*1)	5/9/12Vdc~1.5A; 18W Max				
USB-A2/3 Output (*2)	Single 5Vdc~2.4A;Total 5Vdc~3A;15W Max				
TYPE- C Output (*1)	5/9/12/15Vdc~3A; 20Vdc~5A;100W Max				
DC12V Output (*2)	Single 12Vdc~3A				
Car Charging Port Output	12Vdc~10A, 120W Max				
Wireless Charging Output	5W/7.5W/10W/15W				
LED Emergency Lighting	2W,3 gear adjustment				
DC12V output and car charging port output power sharing, maximum output 120W.					
Input specifications					
Charging Power	220-240Vac,50/60Hz,10A Max				
Charging Time	AC direct charging/1.3hours				
Solar Charging Input	11V~50Vdc,Max 13A、 300W				
Car Charging Input	12V/24Vdc,Max 8A、 100W				
Battery parameters					
Cell Material	LiFePO4				
Battery Standard Cycle Life	3000 cycles to 80+% capacity				
Protection Features	High temperature protection, low temperature protection, charging overvoltage protection, discharge undervoltage protection, charging overcurrent protection, discharge overcurrent protection, overload protection, short circuit protection				
The standard cycle life of the battery is measured in the laboratory at an ambient temperature of 25°C, and the actual data will vary according to the specific use of the user.					
General parameters					
Dimension. W*D*H(mm)	280*190*196				
Weight (kg)	6.3				
Operating Environment					
Charging Ambient Temperature	0°C~45°C				
Discharge Ambient Temperature	-10°C~45°C				
Storage Ambient Temperature	-20°C~45°C				
Humidity	10~95% (Non-condensing)				
Altitude	< 2000m				
Protection Degree	IP20				
Certifications					
Authentication Certificate	CE-RED(Safety&EMC)、UKCA-RED(Safety&EMC)、RCM、SAA、RoHS、UN38.3				

Note: Whether this series of products can be charged and discharged normally is determined by the actual temperature of the battery pack.

Specifications are subject to change without advance notice.