

PP-368L1E/502L1E2

单/三相户用储能系统(低压一体机)

Single-phase/three-phase RESS (low-voltage all-in-one machine)



稳定安全 / Stable and Safe

磷酸铁锂电池, 稳定安全
Lithium iron phosphate battery, stable and safe.



快速安装 / Quick Installation

模块化设计、即插即用、
单人30分钟快速安装
Modular design, plug and play, quick installation in
30 minutes for one person.



三重保护 / Triple Protection

电芯、电池包、系统三重保护
Triple protection of battery cell, battery pack and system.



节省空间 / Space Saving

占地0.15平米, 节省安装空间
It covers an area of 0.15 square meters,
saving installation space.



防护等级 / Protection Degree

IP65防护等级,
户外安装、家居友好
IP65 protection rating,
outdoor installation, home friendly.



能源互联 / Energy Interconnection

全球云平台&移动APP接入,
开放API, 支持能源互联
Global cloud platform & mobile APP access, open API,
support advanced grid-connected control technology
of energy interconnection.



产品型号/Product model	PP-368L1E	PP-502L1E2
输入 (PV) /Input (PV)		
最大直流电压/Maximum DC voltage	580V	
额定直流电压/Rated DC voltage	400V	
MPPT电压范围/MPPT voltage range	80~560V	
启动电压/Starting voltage	150V	
MPPT数量/组串数/Number of MPPTs/number of strings	2/1	
每路MPPT最大输入电流/Maximum input current of each MPPT	15A	
每路MPPT最大短路电流/Maximum short-circuit current of each MPPT	18A	
电网侧交流输出/Grid-side AC Output		
额定交流输出功率/Rated AC output power	3.68kW	
最大交流输出功率/Maximum AC output power	5kW	
额定交流电压/Rated AC voltage	230V	
交流电网频率范围/Frequency range of AC network	50/60Hz±5Hz	
最大输出电流/Maximum output current	16A	22A
电流总谐波失真/Current total harmonic distortion	<3%	
电池输入/Battery Input		
额定电池电压/Rated battery voltage	48V	
电池类型/Battery type	磷酸铁锂/ LFP	
充电电压范围/Charging voltage range	40-60V	
最大充电电流/Maximum charge current	50A	100A
最大放电电流/Maximum discharge current	80A	100A
电池容量/Battery capacity	100-400Ah	
交流输出 (离网端) /AC Output (Off-grid Side)		
最大输出电流/Maximum output current	16A	20A
额定输出电压/Rated output voltage	230V	
额定输出频率/Rated output frequency	50/60Hz	
效率/Efficiency		
最大效率/Maximum efficiency	97.6%	
欧洲效率/European efficiency	97.0%	
基本参数/Basic Parameters		
尺寸(宽*高*厚)/Dimensions (W * H * T)	540*590*240mm	
重量/Weight	32Kg	
操作温度范围/Operating temperature range	-25~+60°C	
噪音(dB)/Noise (dB)	<25dB	
冷却方式/Cooling method	自然散热/Natural heat dissipation	
最高工作海拔/Maximum operating altitude	2000m	
工作湿度/Operating humidity	0~95% (无冷凝)/0-95% (non-condensing)	
防护等级/Protection degree	IP65	
通讯/Communication	RS485/CAN2.0/WIFI/4G	
显示/Display	LCD/APP	
电池型号/Battery Model	PB-S502BL1	
电池类型/Battery type	磷酸铁锂/ LFP	
重量/Weight	54Kg	
尺寸(宽*高*厚)/Dimensions (W * H * T)	540*490*240mm	
防护等级/Protection degree	IP65	
电气参数/Electrical Parameters		
电能容量/Electric energy capacity	5.12kWh	
可用容量/Usable capacity	4.6kWh	
放电深度/Depth of discharge	90%	
额定电压/Rated voltage	51.2V	
工作电压范围/Operating voltage range	44.8-56.5V	
循环寿命/Cycle life	10000次循环/10000 cycles	
运行参数/Operating Parameters		
最大充电/放电电流/Maximum charge/discharge current	50/80A	
额定直流功率/Rated DC power	4096A	
BMS		
模组连接/Module connection	最多4个/Up to 4	
通讯方式/Communication	CAN & RS485	