



Increased Capacity Utilization

Individual optimization of each battery pack using DC-DC optimizers, increasing capacity utilization by more than 10% compared to common low-voltage and high-voltage technology solutions.



Ultra-long Life

Relying on the intelligent technology of one-pack-one-management, each battery pack is guaranteed to be in the best working condition always, therefore extend the service life for more than 3 years.



Dynamic Heterogeneous Capacity Expansion

By using intelligent string technology and modular stacking design, it can mix old and new batteries, different brands of batteries, and batteries with different SOH/SOC. Users can dynamically expand capacity, flexibly match according to actual usage needs, and achieve plug and play.



Simple Installation

The modules are connected by floating plug terminals, which can be quickly plugged and unplugged without external wiring, reduces the installation workload by more than 30%.



Reduce Costs

The failure of a single battery pack does not affect system operation; simply replace the faulty module without replacing all the batteries, reducing maintenance costs by more than 60%.

X-POWER					
交流输出(电网侧)					
额定输出功率	10KW	额定电网电压	3/P/N,380V/400V	额定电网频率	50Hz/60Hz
输出功率因数	>0.99	并网切换时间	<10ms		
交流充电输入(电网侧)					
最大输入功率	15KW(Max)	额定电网电压	3/P/N,380V/400V	额定电网频率	50Hz/60Hz
Pv输入					
最大允许输入功率	10KW	电大输入电压	1000VDC	启动电压	160V
MPPT电压范围	200~850V	Pv最大充电效率	98.4%		
电池					
最大允许输入功率	1~5 (Optional)	电池能量	5.12~25.6Kwh	电池容量	100~500Ah
电池额定电压	51.2V	电芯类型	LiFeP04	工作电压	400VDC
工作电压范围	350~450VDC	电池最大充放电效率	97.5%		
常规参数					
通信接口	CAN/RS485		充电温度范围	0~55℃	
放电温度范围	-20~60℃		使用环境湿度	Max90%RH	
存储环境湿度	-20~50℃ (15~25℃ 最佳)		电池循环寿命	>6000次(80%容量保持率)	
显示	SOC状态指示灯		Ip等级	IP65	
逆变器尺寸L*W*H(mm)	600*500*230		电池尺寸L*W*H(mm)	654*195*1080 (Depend On The Number of Modules)	
冷却方式	自然冷却		安装方式	落地安装、靠墙安装	