



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

AC Output (Grid Side)					
Rated Output Power	10KW	Rated Grid Voltage	3/P/N,380V/400V	Rated Grid Frequency	50Hz/60Hz
Output Power Factor (PF)	>0.99	Switching Time of On Grid/Off Grid	<10ms		
AC Input (Grid Side)					
Maximum Input Power	15KW(Max)	Rated Grid Voltage	3/P/N,380V/400V	Rated Grid Frequency	50Hz/60Hz
PV Input					
Maximum Allowed Input Power	10KW	Maximum Input Voltage	1000VDC	Starting Voltage	160V
MPPT Voltage Range	200~850V	PV Maximum Charging Efficiency	98.4%		
Battery					
Number of Battery Modules	1~5 (Optional)	Battery Power	5.12~25.6Kwh	Battery Capacity	100~500Ah
Rated Voltage	51.2V	Cell Type	LiFeP04	Working Voltage	400VDC
Working Voltage Range	350~450VDC	Maximum Battery Charge/Discharge Efficiency	97.5%		
General Parameters					
Communication Port	CAN/RS485		Charging Temperature Range	0~55°C	
Discharging Temperature Range	-20~60°C		Operating Ambient Humidity	Max90%RH	
Storage Ambient Temperature	-20~50°C(15~25°C Will Be Best)		Battery Cycle Life	>6000 (80% Capacity Retention)	
Display	SOC Status Indicator		IP Rating	IP65	
Inverter Size: L*W*H(mm)	600*500*230		Battery Size: L*W*H(mm)	654*195*1080 (Depend On The Number of Modules)	
Cooling Method	Natural Cooling		Installation	Floor-mounted, Wall-mounted	