

# POWER-X OFF-GRID SYSTEM

## Performance Characteristics

- **Fast charging**  
2 hours charging time from 0% to 100% SOC when charging with full current
- **Powerful output**  
5kw power output, peak power up to 10kw  
Independent 2.5kw plug for critical loads
- **Compatible with diesel generator**  
Workable with diesel generator for back up
- **360° comprehensive protections**  
Complete protections with short circuit protection, overvoltage and undervoltage protection, overload protection, back-flow protection, etc.
- **Wi-Fi connection**  
Convenient monitoring on the mobile phone with Wi-Fi module
- **Easy maintenance**  
Module design, easy for maintenance and future upgrade



Model	SS-SYS510	SS-SYS515	SS-SYS520
<b>Inverter</b>			
<b>PV input</b>			
Maximum input power (W)	5500		
Maximum open circuit voltage Voc (V)	500		
Rated voltage range (V)	90-480		
Maximum input current (A)	25		
Number of MPPT trackers	1/2		
<b>AC input</b>			
Rated input voltage (V)	230		
Input voltage range (V)	170-280		
AC Rated input frequency (Hz)	50/60		
AC-DC conversion efficiency	>95%		
<b>AC output</b>			
Rated output power (W)	5000		
Peak power (W)	10000		
Output voltage (V)	AC220/230/240±5%		
Output frequency (Hz)	50/60		
Output voltage waveform	Sine wave		
DC-AC conversion efficiency	>94%		
<b>LifePO4 batteries</b>			
Nominal voltage (V)	51.2		
Nominal capacity (Ah)	200	300	400
Rated battery energy (kWh)	10.24	15.36	20.48
Cycle life	4000Cycles (80%DOD, 0.5C/0.5C, 25)		
Operating temperature (°C )	-20~60°C		
BMS communication	CAN		
<b>Cabinet</b>			
Noise (DB)	≤60		
Cooling method	Fan		
Cabinet dimension (mm)	680*700*1240		
Weight (kg)	160	230	280