

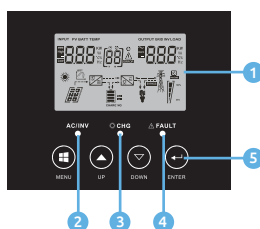
The Shield XH2 is an intelligent hybrid inverter-charger that can automatically put the renewable source of energy on priority to give you maximum energy savings. The XH2 gives a pure sine wave output for the best power quality and its internal battery charger ensures that your batteries last you longer.

You can access the XH2's parameters via its LCD panel and check warnings or operation with the LEDs. It also has an optional remote management feature that lets you access reading while you are away.

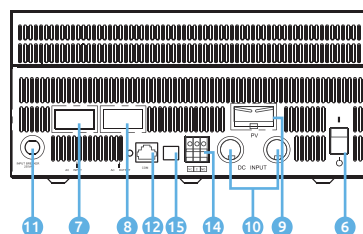


- Rated power 2KVA to 5KVA
- Pure sine wave output
- Smart LCD setting (Working modes, Charge Current, Charge Voltage, etc.).
- Built-in MPPT 50A/60A solar charge controller.
- MPPT Efficiency max 98%.
- New SUB working mode (Solar-Utility-Battery working mode) for 4 and 5KVA range.
- Combining solar energy, batteries and grid power for maximum energy savings.
- Overload, short circuit and Deep discharge protection.
- Parallel operation with up to 3 units (Available for 4KVA/5KVA only).
- Cold start function.
- WIFI/ GPRS remote monitoring (optional) Compatible to generator.
- Support USB, RS485 monitoring function.

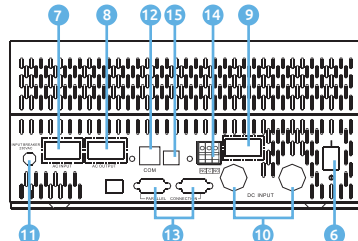
Display panel



XH2 2-3KVA



XH2 4-5KVA Parallel



Display and connections

1. LCD Display
2. Status indicator
3. Discharging/charging indicator
4. Fault indicator
5. Function buttons
6. Power on/off switch
7. Ac input
8. Ac output
9. PV input
10. Battery input
11. Circuit breaker
12. RS485 comm port
13. Parallel communication port
14. Dry contact
15. USB port

Specification sheet

System model	XH2-2	XH2-3	XH2-4	XH2-5
System battery voltage	24VDC	24VDC	48VDC	48VDC
Inverter Output				
Rated power	2000VA/1600W	3000VA/2400W	4000VA/3200W	5000VA/4000W
Surge power	4000VA	6000VA	8000VA	10000VA
Output waveform	Pure sine wave			
AC voltage regulation (batt.mode)	220VAC-240VAC/110VAC-120VAC			
Inverter efficiency (peak)	93%			
Transfer time	10ms (FST, APL), 20ms (SLO)			
AC Input				
Voltage	230VAC			
Selectable voltage range	170~280VAC (FST, 90~280VAC (SLO), 184~253VAC (APL)			
Frequency range	50HZ/60HZ (Auto sensing)			
Battery				
Normal voltage	24VDC		48VDC	
Floating charge voltage	27VDC		54VDC	
Overcharge protection	31VDC		60VDC	
Solar charger and AC charger				
Maximum PV array open circuit voltage	100VDC		145VDC	
PV array MPPT voltage range	30~95VDC		64~130VDC	
Standby power consumption	2W			
PV input power	1200W		3000W	
Maximum solar charge current	50A		60A	
Maximum efficiency	98%			
Maximum AC charge current	20A or 30A		60A	
Maximum charge current	80A		120A	
Mechanical Specifications				
Machine dimensions (W*H*D) (mm)	272*355*100		297.5*468*125	
Package dimensions (W*H*D) (mm)	485*393*251		638*395*241	
Net weight (kg)	7.4		14	
Gross weight (kg)	9.5		16.4	
Other				
Humidity	5% to 95% Relativ Humidity (Non-condensing)			
Operating temperature	-0°C -55°C			
Storage temperature	-15°C-60°C			
Display	LED + LCD			