

All-in-one solar charger inverter

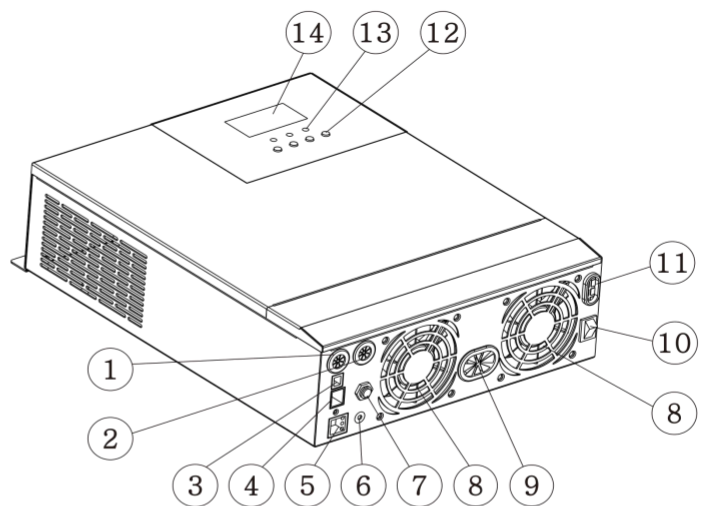
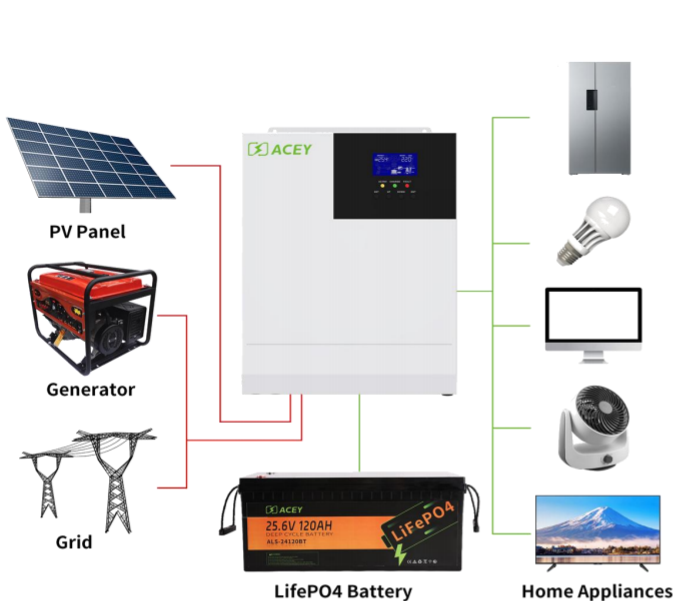
ACEY-HF2430S60-100



PRODUCT CHARACTERISTICS

- Full digital voltage and current double closed loop control, advanced SPWM technology, output of pure sine wave.
- Two output modes: mains bypass and inverter output; uninterrupted power supply.
- Available in 4 charging modes: Only Solar, Mains Priority, Solar Priority and Mains & Solar hybrid charging.
- Advanced MPPT technology with an efficiency of 99.9%.
- With the charging requirement (voltage, current, mode) settings, and suitable for various types of energy storage batteries.
- ON/OFF rocker switch for AC output control.
- Power saving mode available to reduce no-load loss.
- Intelligent variable speed fan to efficiently dissipate heat and extend system life.
- Lithium battery activation design, allowing access of lead-acid battery and lithium battery.
- 360 ° all-round protection with a number of protection functions. Such as overload, short circuit and over current.
- Supply of a variety of user-friendly communication modules, such as RS485(GPRS, WiFi),USB etc., and suitable for computer, mobile phones, Internet monitoring as well as remote operations.
- Lithium battery can be activated by both mains and PV.

ENERGY STORAGE SOLUTIONS AND APPEARANCE



① AC input port	⑧ Cooling fan
② AC output port	⑨ Battery port
③ USB communication port	⑩ ON/OFF rocker switch
④ RS485 communication port	⑪ PV port
⑤ Dry node port	⑫ Touch button
⑥ Grounding screw hole	⑬ LED Indicator
⑦ AC input Overload protector	⑭ LCD screen

Technical Parameters

Model	All-in-one solar charger inverter ACEY-HF2430S60-100
INVERTER OUTPUT	
Rated Output Power	3000W
Max.Peak Power	6000VA
Rated Output Voltage	230Vac (L/N/PE single phase)
Load Capacity of Motors	2HP
Rated AC Frequency	50Hz/60Hz
Waveform	Pure Sine Wave
Switch Time	10ms (typical)
BATTERY	
Battery Type	Li-ion/Lead-Acid/User Defined
Rated Battery Voltage	24Vdc
Voltage Range	20~33Vdc
Max.MPPT Charging Current	60A
Max.Mains/Generator Charging Current	80A
Max.Hybrid Charging Current	140A
PV INPUT	
Num. of MPPT Trackers	1
Max.PV Array Power	1600W
Max.Input Current	40A
Max.Voltage of Open Circuit	100Vdc
MPPT Voltage Range	30~85Vdc
MAINS/GENERATOR INPUT	
Input Voltage Range	UPS: 170~280Vac APL: 90~280Vac
Frequency Range	50Hz/60Hz
Bypass Overload Current	30A
EFFICIENCY	
MPPT Tracking Efficiency	99.9%
Max. Battery Inverter Efficiency	92%
GENERAL	
Dimensions	378*280*103mm
Weight (kg)	6.2kg
Protection Degree	IP20, Indor Only
Operating Temperature Range	-15℃~55℃
Noise	<60dB
Cooling Method	Internal Fan
Warranty	2 years
COMMUNICATION	
Embedded Interfaces	RS485/CAN/USB/Dry contact
External Modules (Optional)	Wi-Fi/GPRS