



PRODUCT OVERVIEW

The EV-HIB off grid split phase hybrid inverter converts DC (direct current) electricity from a battery bank into AC (alternating current) electricity, which is used to power household appliances. These inverters are specifically tailored for off-grid living, meaning they operate independently of the main power grid.

FEATURES

- Elegant modern design.
- Low noise.
- LCD screen.
- Safe and reliable.
- Up to 22A input current.
- Dual MPPT efficiency up to 99.9%.
- Time-slot function to save cost from peak-valley tariff.
- Pure sine wave output.
- IP20 protection.
- Compatible with lead-acid and lithium-ion batteries.
- Easy to install.

APPLICATIONS

- Emergency power supply.
- Home backup storage.
- Data storage/UPS backup systems.
- Off-grid power storage.
- Solar power storage.

Product Description

PART#	DESCRIPTION	INPUT VOLTAGE	OUTPUT VOLTAGE	MAX PV INPUT POWER	RATED POWER
EV-HIB8KP3NA	8KW Split Phase Hybrid Inverter	125-425VAC	120/240VAC	2*5.5KW	8KW
EV-HIB10KP3NA	10KW Split Phase Hybrid Inverter	125-425VAC	120/240VAC	2*5.5KW	10KW

Specifications

MODEL#	EV-HIB8KP3NA	EV-HIB10KP3NA
PV INPUT		
Max Power	2*5.5kW	
Max DC Voltage	2*500V	
MPPT Voltage Range	125-425V	
Max Input Current of Single MPPT	2*22A	
MPPT Tracker	2	
AC OUTPUT		
Rated Output Power	8kW	10kW
Max Output Current	16A	20A
Grid Voltage	120VAC single phase / 240VAC split phase	
Motor Load Capacity	5HP	6HP
Frequency	50/60Hz	
Output Waveform	Pure sine wave	
INPUT (GRID)		
Input Voltage Range	90-140V	
Frequency	50/60Hz	
Bypass Overload Current	63A	
BATTERY		
Battery Voltage Range	40-60V	
Rated Battery Voltage	48V	
Max MPPT Charging Current	180A	200A
Max Grid/Generator Charge Current	100A	120A
Max Hybrid Charge Current	180A	200A
Battery Type	Lithium / lead-acid	
Communication Interface	CAN / RS485 / USB / Dry connect	
GENERAL DATA		
Battery Efficiency	92.0%	
MPPT Efficiency	99.9%	
IP Rating	IP20	
Noise Emission	<60dB	
Operation Temperature	-10°C ~ 55°C	
Cooling	Internal fan	
Relative Humidity	0-95% (non-condensing)	
Altitude	2,000m (>2,000 derating)	
Dimensions	620mm x 445mm x 130mm	
Weight	27kg	