

Introduction

This is a multi-function inverter/charger, combining functions of inverter, solar charger, and battery charger to offer uninterruptible power support with portable size. Its comprehensive LCD display offers user-configurable and easy-accessible button operation such as battery charging current, AC/solar charger priority, and acceptable input voltage based on different applications

Features

- Pure sine wave inverter
- Configurable input voltage range for home appliances and personal computers via LCD setting
- Configurable battery charging current based on applications via LCD setting
- Configurable AC/Solar Charger priority via LCD setting
- Compatible to mains voltage or generator power
- Auto restart while AC is recovering
- Overload/ Over temperature/ short circuit protection
- Smart battery charger design for optimized battery performance
- Cold start function



SPECIFICATIONS

ITEMS		DESCRIPTION
Basic Parameters	Rated Power	5.5KVA/ 5.5KW
	Dimension(W x D x H)	110*309*415MM
	Weight	9.6KG
	Communication Interface	RS232 / RS-485 / Wi-Fi
Input	Rated Voltage	230V AC Sine Wave (Grid or Generator)
	Optional Range	90~280Vac (Home Appliance Mode); 170~280Vac (UPS Mode)
Output	AC Voltage (Inverter Mode)	220/230/240Vac ±5%, 230Vac (Default)
	Instantaneous Overload Power	6000W
	Switching Time	10ms Typical (UPS); 20ms typical (Home Appliance)
	Voltage Wave	Pure Sine Wave
	Idle Loss	<50W @ 48Vdc
Battery	Rated Voltage	48Vdc
	Working Voltage	42~63Vdc
	BMS Communication	PYLON Low Voltage Protocol RS485
	Max Charging Current From Solar PV	80A Max, 60A Default
	Max Charging Current From Grid	80A Max, 30A Default
	Max Charging Current In Total	80A Max, 60A Default
	Default Float Charging Voltage	54V
	Default Overcharge Protection	58.4V
Solar Power	Solar Generation Method	MPPT
	Number of MPPT	1
	Max Generating Power	6000W
	Relative Humidity	20-90%
	MPPT Voltage Range	65~450Vdc
	Allowable Max Open Circuit Voltage	500Vdc
Environment	Relative Humidity	5% to 95% (No Condensation)
	Working Temperature	-10°C to 50°C
	Storage Temperature	-15°C to 60°C
Other	Certification	CE, IEC62109