



GREENESS™

EMERALD 3000

SINE WAVE INVERTER-CHARGER

SMART & SAFE POWER DISTRIBUTION

When connected to the mains power, the inverter-charger has a total charging power and bypass output power not exceeding 3600W to protect the mains power output socket from overload and potential safety risks.

SILENT MODE

The charging current is set to 20A and the fan remains completely silent, ensuring your sleep is undisturbed.



Model		EMERALD 3000
Technical Specifications		Standard Parameter
Nominal DC output voltage		12V
Nominal AC input voltage		220V/50Hz
AC input voltage range		185V~264V
Peak efficiency		92%
Inverter model		
Rated output power		3000W
Surge Watts to power up		6000W
AC output voltage range		220Vac±10%
AC output frequency range		50±1Hz
AC output voltage total harmonic distortion rate		3.5%
Low voltage shutdown protection		10.5V±0.3V(Configurable remote control display)
High voltage shutdown protection		15V-16V(Configurable remote control display)
Charging mode - LiFe battery		15V-16V(Configurable remote control display)
Three-stage charging mode		Trickle current, Constant current, Constant voltage
Trickle current		When the battery voltage is less than 10 ± 0.3 V, and the charging current is 0.1 times more than the set value, it will enter into the constant current charge after 2 hours.
Constant current		Charge according to the set current value
Constant voltage		Output voltage: 14.4V
Charging mode -- STANDARD (lead-acid battery)		
Three-stage charging mode		Constant current, Constant voltage, Floating charge
Constant current		Charge according to the set current value
Constant voltage		Output voltage: 14.4V
Floating charge		Output voltage: 13.6V / Charging time: 30 minutes
Other parameters		
No-load loss		< 10W
Switching time		< 25ms
Remote ON/OFF		Yes, equipped with remote control display
Protection function		a)over-voltage/under-voltage; b) over-temperature/low-temperature; c) overload; d)short circuit
Working Temperature		Full power working at -20°C~+40°C
Storage Temperature		-40°C~+80°C
Working Relative Humidity		90%RH
N.W of the product		6.88KG
Dimensions		448x269.5x104mm
Heat dissipation method		Intelligent speed control cooling