



EP-ONE-5K

ALL-IN-ONE OFF-GRID SYSTEM

EP-ONE-5K is all-in-one system, integrated with off-grid inverter and battery. It can be isolated energy storage system, or used to retrofit the existing on-grid system to storage system, easily fulfill the self-consumption home.

 Isolated System

 Smaller & Lighter

 Back-up Power

 Save Your Bills

EP-ONE-5K

ALL-IN-ONE OFF-GRID 5kW SYSTEM

BATTERY SPECIFICATIONS

Module Model	EP-ONE-5K
Module Capacity	4.8kWh
Nominal Voltage	48V
Max. Charging/Discharging Current	50A
Operating Temperature Range	-10 °C ~ 55 °C*
Cycle Life (80% DoD, 25°C/0.5C, 60% EOL)	>6000
Battery Modules Connection	1 ~ 2 in parallel
Communication Interface	USB/RS232/RS485/ Bluetooth/Dry-contact

INVERTER SPECIFICATIONS

INPUT

Rated Power	5000VA/5000W
Voltage	230 VAC
Selectable Voltage Range	170-280 VAC (For PC) 90-280 VAC (For App)
Frequency Range	50 Hz/60 Hz (Auto Sensing)

OUTPUT

AC Voltage Regulation (Batt. Mode)	230VAC ± 5%
Surge Power	10000VA
Efficiency (Peak)	90% ~ 93%
Transfer Time	15 ms (For PC) 20 ms (For App)
Waveform	Pure sine wave
Dual Outputs	Yes

SOLAR CHARGER & AC CHARGER

Solar Charger Type	MPPT
Max. PV Array Power	5000W
MPP Range @ Operating Voltage	120 ~ 450 VDC
Max. PV Array Open Circuit Voltage	500 VDC
Max. Solar Charge Current	50A
Max. AC Charge Current	50A
Max. Charge Current	50A

ENVIRONMENTAL SPECIFICATIONS

Humidity	5% to 95% Relative Humidity (Non-condensing)
Operating Temperature	0°C to 50°C
Storage Temperature	0°C to 60°C

MECHANICAL SPECIFICATIONS

Dimensions	(442x438x178)mm
Weight	58Kg
Mounting Options	Floor or Wall Mount

