

Solar Energy Storage System

1000W 12.8V 100Ah



Features

- Pure sine wave output;
- 3000 cycles LifePO4 battery and has a 5 years service life;
- The mains input automatically turns on and activate the LifePO4 battery
- PV input activate the LifePO4 battery
- The mains supply mode/battery mode can be set for flexible;
- Convenient and practical 5VDC-USB2.0;and 12VDC output port;
- MPPT Controller greatly improving the charging efficiency more than 20%;
- Overcharge protection and over discharge protection for a longer battery life;
- Safe and reliable with intelligent exhaust fan control;
- Overload automatic protection and alarms including AC output overload protection, short circuit protection. Etc;

Application

- Electric power system
- Solar/wind energy storage system
- Telecommunication
- Residential/Hospital/School/Factory standby power
- Lighting
- Household energy storage system



Higher Specific Energy



Easy to install



Long cycle life



Support Parallel Operation



Environmental Protection and no pollution



Support Deep Customization

Parameters

Model		IES-1000
Battery Voltage		
		Inverter
Rated Power		1000W
AC Input	Mains charging current	15A
	Input Voltage Range	145-275V
	Input Frequency	45-65Hz
AC Output	Output Voltage	220VAC
	Output Frequency	50/60Hz
	Output Wave	Pure Sine Wave
Specification Of Built-in LifePO4 Battery		3000 times D. O. D 80% 45IP; Standard discharge current 100A
LifePO4 Battery Capacity		12.8V-100AH (1280WH)
Solar Input		
Max. PV Power		400W
Max. PV Voltage Input		≤100VDC
Range Of Charging Voltage		35-100VDC
Rated Charge Current		30A
Voltage for Floating Charge		14.2VDC
DC Output		
Low Voltage Recovery Voltage		13.4VDC
Low Voltage Protection Voltage		11.2VDC
5VDC USB Output		2 pieces USB2.0 5VDC1.4A(Max)
12VDC Output Ports		2 pieces MAX 2A
PHYSICAL		
Heat Dissipation/Cooling		Temperature control by intelligent exhaust fan
Display		Digital LCD+LED
External Size: W*D*H(mm)		425*260*480mm
Package Size: W*D*H(mm)		510*350*510mm
N.W (Net Weight)		25kg
G.W (Gross Weight)		27kg