

## Smart All-In-One ESS

500W ESS



### 3 In One

- 400W PV MPPT Controller
- 500W Bi-Direction Inverter
- 1000Wh Lithium Battery



### High Performance

- Pure Sine Wave
- UPS Class Switch Time: <20ms
- Display Soc and Status Info



### A Class LiFePO<sub>4</sub> Battery

- More than 3000 Cycles
- High Safety and Performance



### Rapid Charge

- Support PV and Grid Charge
- Fully Charged in 2 Hours

Model	FBird-01E
<b>Inverter Output</b>	
Rated Output Power	500W
Max. Output Apparent Power	600VA
Rated AC Output Current	2.7A
Max. AC Current,Bypass Mode	>5A
Nominal Output Voltage	220V
UPS Switch Time	20ms
Peak Output Power	1000W@3S
Nominal Output Frequency	50Hz
Output Waveform	Sine Wave
Total Voltage Harmonic Distortion	3%
<b>Grid Input</b>	
Max. Grid Input Voltage (Absolute Maximum Ratings)	380V
Over Voltage Protection Threshold	280+15V
Under Voltage Protection Threshold	180+15V
Surge Protection	TYPE III
<b>PV Input</b>	
Max. PV Input Power	400W
Max. PV Input Voltage	65V
MPPT Voltage Range	14~60V
Start-Up Voltage	12V
<b>Battery</b>	
Rated Voltage	3.2V
Battery capacity	314Ah
Battery Energy	1008Wh
Cell Type	LFP
Cell Class	Class-A
Cycle life	3000
<b>General Data</b>	
Noise	<50db
Operating temperature range	-10~60°C
Ingress Protection	IP31
Max. Operating Altitude (m)	4000m,>2000m power derating
Dimensions H*W*L (mm)	280mm*225mm*139mm
Weight (kg)	14.8kg