

# 5KWh-3KW

single phase Off grid system



Hybrid Mode



Multiple Protection



WIFI



APP



Auto Alarm

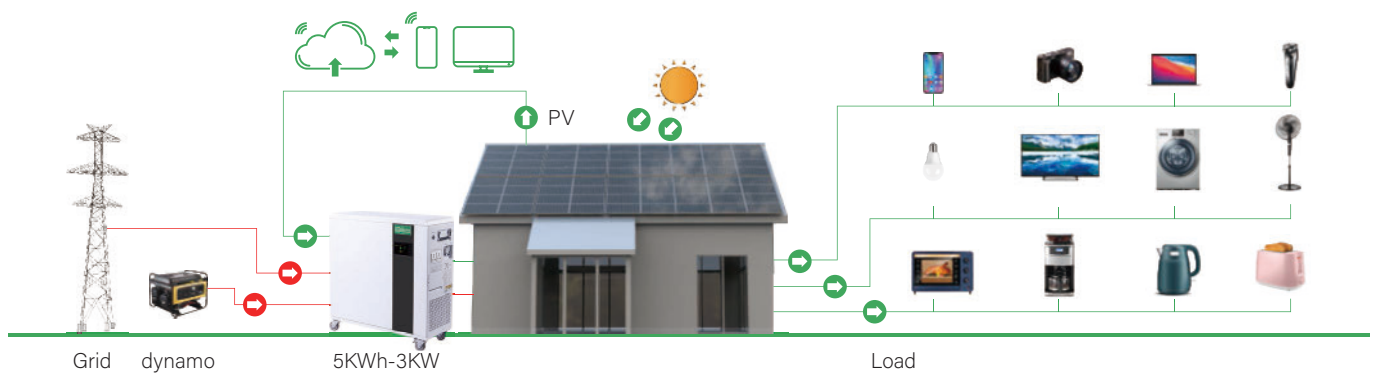


Lcd Display



Indoor/Outdoor

## Application



## Features

- All-in-one design, Indoor/Outdoor installation ;
- Single phase European standard or split phase U.S. standard design, Support multi grid standards ;
- Hybrid working modes(Solar-first, Grid-first, Solar-Grid-Battery)
- Easy to install and maintain, meet difference customized design and DIY requirements, with the monitoring of iOs/Android App
- Multiple protection and alarm system, safe and reliable
- Apply with CE certification.



## Application Scenario

Home Backup / RV / Office

## Parameters

Model Number	ESF-mini-30E	ESF-plus-35E	ESF-plus-50E
<b>AC data(on-grid)</b>			
Operation Mode	Single Phase and off -grid(Solar-first, Grid-first, Solar-Grid-Battery)		
Rating power	3000W	3500W	5000W
AC output voltage range	230V /180Vac~280Vac	230V /180Vac~280Vac	230V /180Vac~280Vac
AC input frequency range	50/60Hz	50/60Hz	50/60Hz
<b>AC data (Battery mode)</b>			
Max. output power	3kva	3.5kva	5kva
Rated AC Voltage	230V	230V	230V
Rated AC Frequency	50/60Hz	50/60Hz	50/60Hz
Switch Time	≤20ms	≤20ms	≤20ms
<b>Battery data</b>			
Battery Type	Lithium iron phosphate (LFP)		
Voltage range	51.2V	51.2V	51.2V
Battery Capacity	3.58KWh	5.12KWh	5.12KWh
Max.charge/discharge rate	0.7C/1C	0.7C/1C	0.7C/1C
<b>PV data</b>			
Recommended PV Power	3000W	3500W	5000W
Open Voltage/MPPT Voltage Range	115/60~145V	115/60~145V	115/60~145V
Qty of MPPTs/Qty of strings per MPPT	1/1	1/1	1/1
Max. Input Curren	40A	40A	40A
<b>System data</b>			
HMI	LCD+Wifi+LED		
Installation	Wall-mounted or cabinet ground standing		
Size/Weight	Depending on the Qty of Stackable Batteries		