

FLYFINE



All-in-One
(Inverter & battery)

Optional battery
moduel 2.5kw/5kw

Single Phase Off Grid All In One ESS

- ▶ Expandable lithium battery design, 5-40KWh optional to meet different requirements
- ▶ Easy to install, plug and play to save installation time on site
- ▶ Support WIFI communication, APP can check the working status of the system anytime and anywhere
- ▶ Pure sine wave output, friendly to electrical appliances
- ▶ Built-in UPS function switch to backup mode seamlessly to ensure uninterrupted power supply
- ▶ One-piece integrated design, inverter and battery pre-configured to ensure compatibility
- ▶ Cycle life \geq 6500 times (80% DOD, 0.5CS)

| All-in-One Parameters | FF3000EO | FF5000EO |
|-----------------------------------|------------------------------|------------------------------|
| PV Input | | |
| PV max input (Vdc) | 500 | 500 |
| MPPT voltage range (Vdc) | 120 ~ 500 | 120 ~ 500 |
| Maximum PV input current/MPPT (A) | 25 | 25 |
| Max PV input power (W) | 4000 | 5500 |
| Battery | | |
| Max Input/Output Voltage (V) | 28.2 | 56.4 |
| Operating Voltage Range (V) | 20 ~ 28.2 | 44 ~ 56.4 |
| Max charge/discharge Current (A) | 50/50 | 50/50 |
| Max Input/Output Power (W) | 4000/4000 | 5000/5000 |
| Battery Type | Li-ion(LFP)/Lead-acid | Li-ion(LFP)/Lead-acid |
| Off-Grid AC Output | | |
| AC voltage (Vac) | 220/230/240 (L+N+PE) | 220/230/240 (L+N+PE) |
| Frequency (Hz) | 50/60(auto-adaptation) | 50/60(auto-adaptation) |
| Max. continuous current (A) | 14A | 21.7 |
| Max. continuous Power (W) | 3300 | 5000 |
| Max AC apparent Power (VA) | 3300 | 5000 |
| Others | | |
| Dimension (L * W * H mm) | 670*200*890 | 670*200*1000 |
| Protective class | Class I | Class I |
| Ingress protection | IP54 | IP54 |
| Working temperature | -25°C ~ 60°C (derating 45°C) | -25°C ~ 60°C (derating 45°C) |

| Stacked Battery Pack Parameters | FFO3 | FFO5 |
|---------------------------------|-------------|-------------|
| Battery Cell | | |
| Cell Technology | Li-ion(LFP) | Li-ion(LFP) |
| Capacity(Ah) | 106 | 106 |
| Cell Quantity (pcs) | 8 | 15 |
| Battery Parameters | | |
| Nominal Voltage (Vdc) | 25.5 | 48 |
| Rated Capacity (Ah) | 106 | 106 |
| Rated Energy (kwh) | 2.7 | 5.09 |
| Max Voltage (Vdc) | 29.2 | 54.75 |
| Max Charge Voltage (Vdc) | 28.4 | 53.25 |
| Discharge Cut-off Voltage (Vdc) | 20 | 37.5 |
| Standard Charge Current (A) | 50 | 50 |
| Max Charge Current (A) | 100 | 100 |
| Standard Discharge Current (A) | 50 | 50 |
| Max Discharge Current (A) | 100 | 100 |
| Others | | |
| IP inclosure | IP54 | IP54 |
| Dimension (L * W * H mm) | 670*180*310 | 670*200*420 |
| Communication | RS485/CAN | RS485/CAN |
| Operation Temperature (°C) | 0 ~ 50 | 0 ~ 50 |
| Storage Temperature (°C) | -20 ~ 60 | -20 ~ 60 |
| Humidity | < 45% | < 45% |
| Altitude (m) | < 2000 | < 2000 |