

FLYFINE



Single Phase Inverter



- ▶ Suitable for customizing various PV energy storage system
- ▶ Automatic activation of LiFePO4 battery pack
- ▶ Compatible with almost all 48v LiFePO4 battery pack
- ▶ Multiple operating modes, off-grid and UPS, MPPT charger built-in
- ▶ Integrated smart APP, can remotely diagnose and update
- ▶ Max. 6pcs in parallel

| Model | FO-3000 | FO-5000 |
|---|---|-------------|
| Battery Data | | |
| Battery Type | Lithium / Lead-Acid | |
| Nominal Battery Voltage (V) | 24 | 48 |
| Max. Continuous Charging Current (A)(A) | 120 | 80 |
| Max.Charge Power (W) | 3200 | 4500 |
| Max. Discharge Power (W) | 3000 | 5000 |
| PV String Input Data | | |
| Max. Input Power (W) | 2000 | 5500 |
| Max. Input Voltage (V) | 150 | 500 |
| MPPT Operating Voltage Range (V) | 30 ~ 115 | 120 ~ 430 |
| Start-up Voltage (V) | 30 | 150 |
| Nominal Input Voltage (V) | 100 | 300 |
| Number of MPPT Trackers | 1 | |
| Number of Strings per MPPT | 1 | |
| AC Output Data | | |
| Rated Power (W) | 3000 | 5000 |
| Nominal Output Current (A) | 13.6 | 21.7 |
| Nominal Output Voltage (V) | 220/230/240 | |
| Nominal Output Frequency (Hz) | 50/60 | |
| Output THDv (@Linear Load) | <3% | |
| Conversion Efficiency | | |
| Max. Efficiency | 93.6% | |
| MPPT Efficiency | 99.9% | |
| Protection | | |
| AC Over current Protection | Integrated | |
| AC Short Circuit Protection | Integrated | |
| AC Over voltage Protection | Integrated | |
| Remote Shutdown | Integrated | |
| Environmental/Ambient Conditons | | |
| Operating Temperature Range (°C) | 0 ~ 50 | |
| Excess Temperature Behaviour | Continuous power reduction (derating) | |
| Relative Humidity | 0 to 95 % (climate class 4k6), non-condensing | |
| Installation Altitude above Sea Level | up to 2000 m above sea level | |
| Installation Location | Inside | |
| Cooling Method | Air Cooling | |
| Mechanical Data | | |
| Dimensions(W x H x D mm) | 300*485*120 | 300*485*120 |
| Weight (kg) | 9 ± 0.5 | 9.5 ± 0.5 |
| Protection Level | IP20 | |
| Installation Type | Wall Installation with Wall Bracket | |
| Communications | | |
| Display | LCD, WLAN + APP | |
| Monitoring Settings | Integrated data logger | |
| Communication with BMS | CAN | |
| Communication with Portal | Wifi | |
| Other Data | | |
| Topology | Transformerless | |
| Reliability | Integrated | |
| Manufacturer's Warranty | 5 Years | |