

FLYFINE



Three Phase Hybrid Storage Inverter(LV)



100% 3 phase imbalance output: It can output 1 phase with full power and the others with no power



48V battery voltage: The battery voltage is 48V. It has good battery compatibility



Excess input PV power: The input PV power is 2 times of rated AC output power



Smart phase-level power output limitation: Intelligently adjust the output power of each phase according to the power demand



Complete protection: Hardware and software dual protection. Anti-islanding, Short, Overcurrent Over voltage, Over temperature, etc

| Model | FH8000LV | FH10000LV | FH12000LV |
|---------------------------------------|----------------------------------|--------------|--------------|
| Battery Input Data | | | |
| Battery Type | Lithium or lead acid battery | | |
| Rated Battery Voltage(V) | 48 | | |
| Maximum Charging Voltage(V) | ≤60(Configurable) | | |
| Maximum Charge/Discharge Current(A) | 190 | 210 | 240 |
| PV Input Data | | | |
| Maximum DC Input Voltage(V) | 1000 | | |
| MPPT Operating Voltage Range(V) | 150 ~ 800 | | |
| Starting Voltage(V) | 150 | | |
| Maximum Input Current(A) | 18/18 | 36/18 | 36/18 |
| MPPT Number | 2 | 2 | 2 |
| AC Output Parameters (On-Grid) | | | |
| Maximum Output Apparent Power (VA) | 8800 | 11000 | 13200 |
| Rated Output Voltage(V) | 400 | | |
| Rated Output Frequency(Hz) | 50/60Hz | | |
| Max Output Current(A) | 18 | 23 | 27 |
| Output Power Factor | ~1 (-0.8 leading ~ +0.8 lagging) | | |
| AC Output Parameters(Off-Grid) | | | |
| Rated Output Apparent Power(VA) | 8000 | 10000 | 12000 |
| Maximum Output Apparent Power (VA) | 16000, 15sec | 20000, 15sec | 24000, 15sec |
| Rated Output Voltage(V) | 400(±2%) | | |
| Rated Output Frequency(Hz) | 50/60Hz(±0.2%) | | |
| Max Output Current(A) | 18 | 23 | 27 |
| Efficiency | | | |
| Max Efficiency(PV) | 98% | | |
| Max Efficiency(Battery) | 94.5% | | |
| Europe Efficiency | 97.5% | | |
| Protection | | | |
| PV Input Reverse Polarity Protection | Yes | | |
| PV Insulation Resistance Detection | Yes | | |
| Residual Current Detection | Yes | | |
| Output Over Current Protection | Yes | | |
| Output Short Circuit Protection | Yes | | |
| Output Over Voltage Protection | Yes | | |
| Basic Data | | | |
| Operation Temperature (°C) | -25°C ~ 60°C | | |
| Storage Temperature (°C) | -30°C ~ 65°C | | |
| Relative Humidity | 0 ~ 95% | | |
| Working Altitude (m) | ≤4000 | | |
| Cooling | Air cooling | | |
| Noise (db) | < 25 | | |
| Weight (Kg) | 35 | | |
| Size (Width * Height * Depth) (mm) | 475*683*256 | | |
| Protection Class | IP66 | | |
| Topology | HF isolation (Battery side) | | |