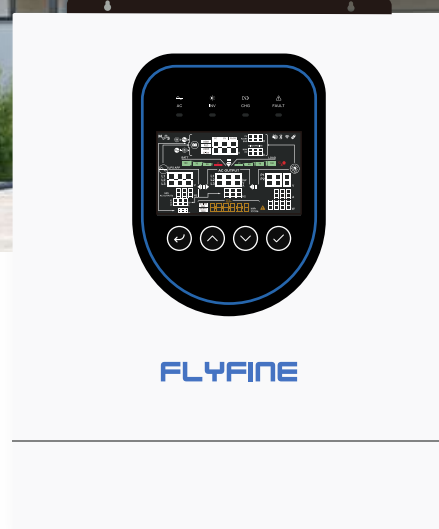




Single Phase 6.5kW-48V Hybrid Storage Inverter



Built-in 120A Solar Charger



Wide PV Input Voltage Range 60-500V



27A MAX PV Input



Dual AC Out



Support Lithium/Lead-acid Battery



Lithium Battery Activation

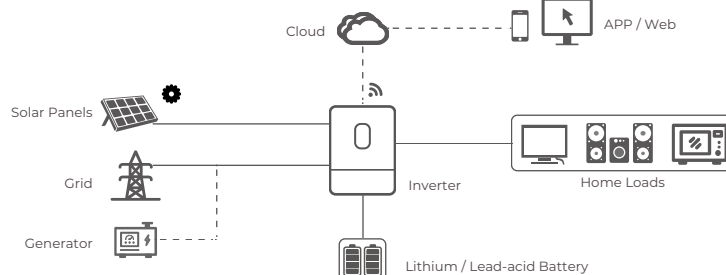


Wi-Fi Monitoring (Optional)



Workable with Generator

System Diagram:



| Model | FH-6500S-48V |
|-------------------------------------|--|
| AC Input | |
| Rated Input Voltage (VAC) | 208/220/230/240; L+N+PE |
| Voltage Range (VAC) | 90-280±3 (normal mode); 170-280±3 (UPS mode) |
| Frequency (Hz) | 50/60 (Auto Adaptive) |
| AC Output | |
| Rated Capacity (kW) | 6.5 |
| Surge Power (kVA) | 12 |
| Voltage (VAC) | 208/220/230/240 |
| Power Factor (PF) | 1 |
| Frequency | 50/60Hz±0.1% |
| Switch Time (ms) | 10 (normal mode) / 10 (UPS mode) |
| Wave Form | Pure Sine Wave |
| Overload Capacity (Battery Mode) | 1min@102%-120% load, 10s@>120% load |
| Max. Efficiency (Battery Mode) | 94%@48VDC |
| Parallel Quantity | 9 |
| Charger (PV /AC) | |
| Solar Charger Type | MPPTs |
| Max. PV Input Current / Power | 27A/9000W |
| MPPT Range @Operating Voltage (VDC) | 60-450 |
| Max. PV Open Circuit Voltage (VDC) | 500 |
| Max. PV Charge Current (A) | 120A |
| Max. AC Charge Current (A) | 120A |
| Max. Charge Current (PV + AC) (A) | 120A |
| Battery | |
| Rated Voltage (VDC) | 48 |
| Battery Type | Lithium and Lead-acid |
| Interface | |
| HMI | LCD |
| Interface | RS485/ RS232 / USB |
| Monitoring | WiFi (optional) |
| General Data | |
| Ingress Protection | IP21 |
| Operating Temperature | -10°C~60°C |
| Relative Humidity | 5%~ 95%(Non- condensing) |
| Storage Temperature | -15°C~60°C |
| Net Weight (kg) | 9.4 |
| Dimensions (W*H*D) | 440*335*117mm |
| Max. Operating Altitude | 4000m (Derating above 1000m) |

* The AC voltage and frequency range can differ according to the grid standards of each country.

* Please note that all specifications are subject to change without prior notice.

