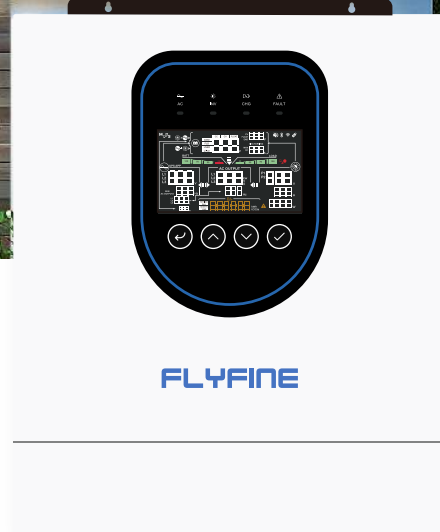


FLYFINE



Single Phase 5.5/6.5kW Hybrid Storage Inverter



 Built-in 160A Solar Charger

 Wide PV Input Voltage Range 60-500V

27A 27A MAX PV Input

DUAL Dual AC Out

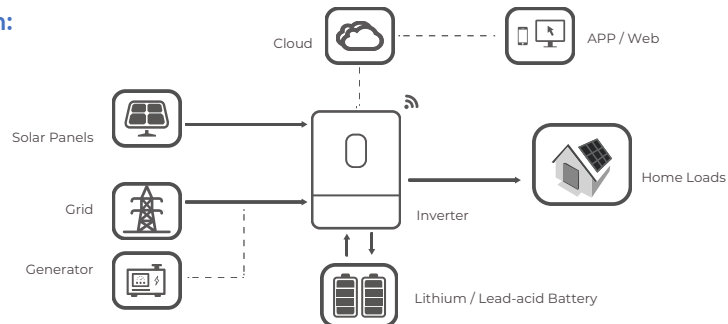
BMS Support Lithium/Lead-acid Battery

 Lithium Battery Activation

WiFi Wi-Fi Monitoring (built-in)

 5 Inch LCD Display

System Diagram:



Model	FH-5500S-24V	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)	5.5	6.5
Surge Power (kVA)	10	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)	93.5%@24VDC	94%@48VDC
Parallel Quantity	NA	
Charger (PV /AC)		
Solar Charger Type	MPPT	
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)	160A	120A
Max. AC Charge Current (A)	160A	120A
Max. Charge Current (PV + AC) (A)	160A	120A
Battery		
Rated Voltage (VDC)	24	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)	7.8	8.0
Dimensions (W*H*D)	410*336*115mm	
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.

