

FLYFINE



Three Phase Hybrid Storage Inverter(LV)

- ▶ Hybrid All-In-One Inverter Design
- ▶ IP66 Waterproof
- ▶ Intelligent Monitoring
- ▶ Max Working Altitude < 4000m
- ▶ 100% Three-Phase Imbalance Output
- ▶ Smart Phase-Level Power Export Limitation

Model	FH8000LV	FH10000LV	FH120000LV
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)		