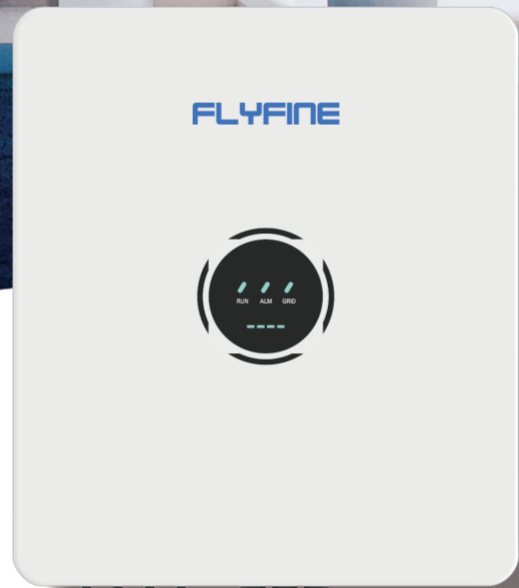


FLYFINE



Three Phase Hybrid Storage Inverter

- ▶ Hybrid All-In-One Inverter Design
- ▶ IP66 Waterproof
- ▶ Intelligent Monitoring
- ▶ UPS Function With 10ms Automatic Switchover
- ▶ 100% Three-Phase Imbalance Output
- ▶ Wide Battery Voltage 180-750V
- ▶ 1.5~2 DC/AC Ratio
- ▶ Smart Phase-Level Power Export Limitation



Model	FH8000T	FH10000T	FH12000T	FH15000T
Battery Input Data				
Battery Type	Lithium battery			
Battery Voltage Range(V)	180-750			
Max. Charge/Discharge Current(A)	30/30			
Max.Charge/Discharge Power(W)	8800	11000	13200	15000
PV String Input Data				
Max.PV Input Power(W)	17000	21500	22500	22500
Max. PV Input Voltage(V)	1000			
MPPT Range(V)	200-850			
SPS Start-up Voltage (v)	180			
MPPT Range For Nominal Power(V)	270-850	240-850	270-850	340-850
Nominal PV Input Voltage (V)	620			
Max.Input Current(A)	15/15	15/30	15/30	15/30
Max.Short Current(A)	20/20	20/20	20/40	20/40
No.of MPPT Trackers	2			
Strings Per MPPT Tracker	1	1	1/2	1/2
AC Output Data(On-grid)				
Nominal Power Output To Grid(VA)	8000	10000	12000	15000
Max. Power Output To Grid(VA)*	8000	10000	12000	15000
Max. Power From Grid (VA)	16000/20000/24000/25000			
Nominal Output Voltage(V)	380/400,3L/N/PE			
Nominal Output Frequency(Hz)	50/60			
Max.AC Current To Grid(A)	12.1	15.2	18.2	22.7
Max. AC Current From Grid (A)	24.2	30.3	36	36
Output Power Factor	1(Adjustable from 0.8 leading to 0.8 lagging)			
Output THDi(Nominal Power)	< 3%			
Three Phase Unbalance	YES			
AC Output Data (Back-up)				
Max.Output Power(VA)	8000	10000	12000	15000
Peak Output Power(VA)**	16000,1sec	20000,10sec	24000,10sec	24000,10sec
Max.Ouput Current(A)	12.1	15.2	18.2	22.7
Nominal Output Voltage (VAC)	3/N/PE,220/380,230/400			
Nominal Output Frequency(Hz)	50/60			
Output THDv(@Linear Load)	< 3%			
Switch Time	<10ms			
Load Control	YES			
Efficiency				
MPPT Efficiency	99.90%	99.90%	99.90%	99.90%
Max. efficiency	98.30%	98.30%	98.40%	98.40%
Euro-efficiency	97.50%	97.60%	97.60%	97.60%
Protection				
Anti-island Protection	Integrated			
PV&Battery AFCI	Optional			
PV Reverse Protection	Optional			
Battery Reverse Protection	Optional			
Residual Current Monitoring Unit	Optional			
Over Current/Voltage Protection	Optional			
DC Switch(PV)	Optional			
Surge Protection	DC Type II/AC Type III			
Communication Interface				
Battery BMS	CAN			
EMS	RS485			
Meter	RS485			
DRED/RCR	YES(DI)			
Remote Shut Down	YES(DI)			
Dry-Point	YES(DO)			
Cloud	Wi-Fi,Bluetooth,4G(Optional)			
Display/User Interface	LED/APP			
General Data				
Operating Temperature Range(°c)	-25-60			
Relative Humidity(%)	0-100%			
Operating Altitude(m)	≤2000			
Cooling	Nature Cooling	Nature Cooling	Smart Fan Cooling	Smart Fan Cooling
Noise(dB)	<35	<35	<50	<50
Weight(kg)	TBD			
Size(W/H/D)(mm)	TBD			
Installation	Wall-Mounted			
Protection Degree	IP66(outdoor rapplication)			
Certifications & Standards				
Grid Regulation	CE10-2];VDE4105-ARN;VDE0126-1-1;EN50549;G98,G99,G100			
Safety Regulation	IEC62109-1&2			
EMC	EN610006-1,EN61000-6-2,EN610006-3,EN61000-6-4,EN61000-4-16,EN61000-4-18,EN61000-4-29			