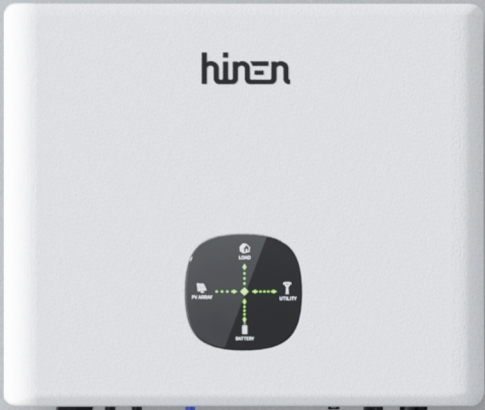


H12000H-EU

5-12kW Three-phase Hybrid Inverter

5kW/6kW/8kW/10kW/12kW

- Support 100% three-phase unbalanced output
- Grid-connected parallel up to 6 units, Max. output power up to 72KW, massive energy storage of 138.6 kWh
- Flexible Adaptability, Enduring Stability
140-950V wide PV voltage range, with a low startup voltage of 120V
- All-round Inverter Protection:
1.PV Disconnection Protection
2.Ground Fault Protection
3.DC Bus Protection
4.Type II DC SPD & Type III AC SPD
- Intelligent integration of AC-coupled, DC-coupled and hybrid modes
- Fanless design, sleep-level ultra quiet, running sound ≤ 25dB
- Backup switch time ≤ 10ms
- Integrated die-casting, waterproof connector design, IP65 dustproof & waterproof, no weather restrictions



Technical Specification

Model	H5000H-EU	H6000H-EU	H8000H-EU	H10000H-EU	H12000H-EU
PV Input Specification					
Max. PV input power(W)	12000	12000	12000	15000	18000
Max. DC voltage(V)	1000				
Start Voltage(V)	120				
MPPT voltage range(V)	140~950				
Nominal voltage(V)	600				
Number of independent MPPT	2				
Maximum number of input strings for MPPT	1/1				
Max. input current per string(A)	16/16				
Max. short-circuit current per MPPT(A)	28/28				
Backfeed current to the array(A)	0				
Battery Specification					
Type of battery	lithium ion battery				
Battery voltage range(V)	120~600				
Nominal Battery voltage(V)	500				
Max charging and discharging current(A)	45				
Max charging and discharging power(W)	8000	8000	8000	10000	12000
Battery expansion	1~3 series-connected 7.7kWh high-voltage battery modules per cluster with up to 6 clusters connected in parallel per inverter				
Charging strategy	BMS instructions				
Grid Port Specification					
Rated AC output power(W)	5000	6000	8000	10000	12000
Max AC output apparent power (VA)	5500	6600	8800	11000	12000
Max AC input apparent power (VA)	16000	16000	16000	16000	16000
AC nominal voltage range(V)	400/230, 380/220, 3L/N/PE				
AC nominal frequency(Hz)	50/60				
Max. AC output current(A)	8.4	10.0	13.4	16.7	18.2
Rated AC output current(A)	8.0	9.6	12.8	16.0	17.4
Max. AC input current(A)	24.3	24.3	24.3	24.3	24.3

Technical Specification

Model	H5000H-EU	H6000H-EU	H8000H-EU	H10000H-EU	H12000H-EU
Reference impedance fault level	Z_source=0.65ohm(R=0.545ohm,X=j0.34lohm) I_SC=359A,S_SC=249kVA				
Power factor	~1(0.8leading - 0.8lagging)				
THDI @Full load	<3%				
AC inrush current(A)	32				
MAX. output overcurrent protection(A)	28	28	56	56	56
AC maximum output fault current(A)	28	28	56	56	56
Phase Unbalanced	Support 100% three-phase independent output				
Backup Port Specification					
Rated AC output power(W)	5000	6000	8000	10000	12000
Max AC output apparent power (VA)	5500	6600	8800	11000	12000
Peak AC output power	8000 VA,10s	8000 VA,10s	16000 VA,10s	16000 VA,10s	16000 VA,10s
AC nominal voltage range(V)	400 / 230, 380 / 220, 3L/N/PE				
AC nominal frequency(Hz)	50/60				
Max AC output current(A)	8.4	10.0	13.4	16.7	18.2
Max.Three-phase Unbalanced Output Current	11.4/10.9A	13.7/13.1A	-	-	-
THDV @Linear load	<3%				
Efficiency					
Maximum efficiency(%)	97.6				
Max Battery discharge efficiency(%)	97.0				
European efficiency	97				
	99.9				
Protection & Function					
DC switch	Yes				
PV reverse polarity protection	Yes				
BAT reverse protection	Yes				
Output AC overcurrent protection	Yes				
Output AC overvoltage Protection	Yes				
Anti-islanding protection	Yes (Active Frequency Drift)				
Residual current detection	Yes				

Technical Specification

Model	H5000H-EU	H6000H-EU	H8000H-EU	H10000H-EU	H12000H-EU
Insulation resistance detection	Yes				
Surge protection	II (DC)/ III (AC)				
General Information					
Topology	Transformerless				
Dimensions(W/H/D)(mm)	538*452*195				
Weight(kg)	28.4				
Protective Class	Class I				
Installation type	Wall mounted				
Operating temperature(℃)	-25~60				
Relative humidity (Non-condensing)(%)	0~100				
Altitude(m)	≤4000				
Cooling	Natural cooling				
Noise(dB)	<25				
Protection class	IP65				
Features					
DC connection	MC4				
AC connection	5P Connector				
Display	LED+APP				
Monitor	RS485 / WIFI / GPRS				
Warranty*	10 Years				
Certification & Standard					
Safety	IEC/EN 62109-1, IEC/EN 62109-2, EN 62477-1:2022, IEC 60529				
EMC	IEC/EN 61000-6-2, IEC/EN 61000-6-4, IEC/EN 61000-2-2, CISPR11				
Grid-connected	VDE 4105, AS 4777.2, EN 50549-1, EN 50438,RD 1699, RD 413, RD 647, UNE 217001, UNE 217002, NTS SEPE:2021, NRS-097, NC RfG:2016, PSE:2018, PTPIREE:2021				

Warranty*: Refer to the product warranty terms for details