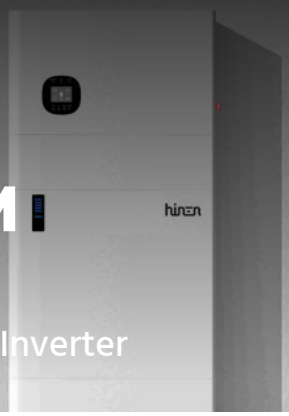
VOLTX ENERGY

HINEN HOME BATTERY SYSTEM



A Series H 10S

35.6 kWh Battery with Single-Phase 10 kW Inverter

All-in-One Powerhouse

Integrated inverter, battery, and smart management in a single sleek unit for a faster, cleaner install.

Seamless Backup Protection

Built-in change over switch keeps your essential appliances running smoothly during outages.

Premium Efficiency

Turn more solar power into usable energy with up to 98% ultra-high conversion rates for lower long-term costs.

Expandable Storage

Scale up easily as your household or business energy needs grow — without replacing the entire system.

Intelligent Control

AI-driven load management and intuitive app monitoring put real-time insights and control at your fingertips.

Flexible Integration

Single-phase and three-phase options designed to work with solar, grid or generator for complete versatility.

Safe & Durable

Built with advanced lithium technology, robust protection, and long-life components for lasting peace of mind.

Sustainable Luxury

Cut your carbon footprint without compromising comfort with a high-performance system designed for the future of energy.

A Series H 10S

35.6 kWh Battery with Single-Phase 10 kW Inverter

- 4 MPPT inputs. 150% Oversized PV input
- Inverter parallel function, up to 6 units
- Stackable integrated design, plug & play, no additional cable, saving 50% installation time
- Smart load management (Secondary output port), intelligent load management and automated start/ stop of diesel engines via dry contacts
- 230V/ 63A off-grid output power up to 15KW. support full load power supply for home
- Backup load transfer time ≤10ms
- Built-in change over switch, allows manual selection between Backup mode and By-pass mode for backup loads.
- Support dual power supply (Grid & Diesel Generator)

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Technical Datasheet

Item / Model	A10000S
PV Input Specification	
Recommended max. PV input power (W)	20000
Max. PV input voltage (V)	550
Startup input voltage (V)	90
Rated PV input voltage (V)	360
MPPT voltage range (V)	100-530
No. of independent MPPT inputs	4
No. of PV strings per MPPT	1/1/1/1
Max. PV input current (A)	16 / 16 / 16 / 16
Max. DC short-circuit current (A)	20/20/20/20
Battery Input Specification	
Battery voltage range (V)	80-460
Max. charge/ discharge current (A)	45 / 47
Max. charge/ discharge power (W)	15000 / 15000
Communication	CAN
Charging strategy	BMS instructions
Battery Expansion	1 ~ 2 series-connected 8.9 kWh high-voltage battery modules per cluster
Inverter Expansion	Support 6 inverters parallel
Grid Port Specification	
Max. AC power from grid (VA)	16500
Max. AC input current (A)	72
Rated AC output power (W)	9999
Max. AC output apparent power (VA)	9999
Max. AC output current (A)	45.5
Rated AC output current (A)	43.5
Rated AC voltage	L / N / PE, 220 V / 230 V / 240V
Rated grid frequency (Hz)	50 / 60
THDI @) Full load	<3%
Power factor at rated power/ Adjustable power factor	0.99 (0.8 leading - 0.8 lagging)
GEN Port Specification	
Max. AC input apparent power (VA)	15000
Rated AC voltage	L / N / PE, 220 V / 230 V / 240V
Rated GEN frequency (Hz)	50/60
Backup Port Specification	
Max AC output apparent power (VA)	15000
Rated output power (W)	9999
Peak output power	16500W, 10s
Max AC output current (A)	68.2
Rated voltage	L / N / PE, 220 V / 230 V / 240V
Rated grid frequency (Hz)	50/60
THDV @) Linear load	<3%
Backup switch time	10ms

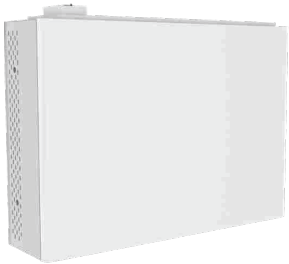
Technical Datasheet

Model / Item	A10000S
Efficiency	
Max. efficiency (%)	97.5
European efficiency (%)	96.8
Protection & Function	
Grid monitoring	Yes
DC reverse polarity protection	Yes
AC short - circuit protection	Yes
Leakage current protection	Yes
DC switch	Yes
Battery input reverse polarity protection	Yes
Surge protection	DC type II/ AC type III
General Information	
Topology (solar/ battery)	PV non-isolated, battery non-isolated
Degree of protection	IP65
Dimensions* W * H * D (mm)	730 *1220 *180 (±4)
Weight* (kg)	400.88KG (±3KG)
Installation type	Floor stand
Cooling method	Fan cooling
Noise (MAX) (dB)	< 45
Ambient temperature range (°C)	-20 ~ 60 (>45 derating)
Relative humidity (Non-condensing) (%)	15-95
DI/DO	DI* I /DO* 2 / DRM
DC connection type	MC4
AC connection type	Plug and play connector
Max. operating altitude (m)	3000
Display	LCD+APP
Monitor	RS485, WLAN, Ethernet, CAN
Warranty	10 Years
Certification & Standard	
Certification	CB, CE, UKCA, SONCAP, RCM, ROHS
Standard	IEC/EN 62109-1, IEC/EN 62109-2, IEC 62619, IEC 60730-1 Appendix H,IEC/EN 62368-1, EN IEC 61000-6-1/3, IEC 61 000-2-2, CISPR 11, IEC 60529, IEC 60068-2-52,AS/NZS 4777.2, IEC 60947.1. AS 60947.3, VDE-AR-N 4105, EN 50549-l.G98, G99, UN 38.3, MSDS

Dimensions (W * H * D)*: Total dimension of inverter and control box.
Weight*: Total weight of inverter and control box.

Technical Datasheet

Item / Model	A10000S	
Hybrid inverter Rated AC output power Dimension (W*H*D) Weight	10000W 730mm*637mm*l80mm 61kg	
Control box	Built-In Grid/ Backup/ DC Circuit Breaker	

Item / Model	B8900M-HA	
High Voltage Battery Management System Operating Voltage Max.Charge/ Discharge Current Operating Temperature Ingress Protection Dimension (W*H*D) Weight	135~583.2VDC 52A -20° C~60° C IP65 730*160*180mm 10kg	
Battery Module Battery Type Nominal Voltage Rated Capacity Rated Energy Max. Charge/ Discharge Current Charge Temperature Discharge Temperature Ingress Protection Dimension (W*H*D) Weight	LiFePO4(LFP) 172.8V 52Ah 8.985kWh 52A 0° C~SS° C -20° C~60° C IP65 730*510*180mm 83kg	
Battery Module Base Dimension (W*H*D) Weight	730*40*180mm 5.8kg	

Hinen Smart Energy Management System

Cloud-Based App

Live Insights at a Glance

- Get real-time updates every 10 seconds
- Monitor energy production, consumption, and device status
- Instantly detect energy spikes or inefficiencies
- Act quickly with live performance insights

Custom Power Modes

- Tailor your energy system's operation modes
- Respond to grid pricing fluctuations in real time
- Maximize cost savings through smart scheduling
- Optimize energy use for efficiency and control

Smart Energy Sharing

- Enable shared access to energy system controls
- Allow family or friends to co-manage usage
- Promote collaboration in energy decisions
- Improve overall energy efficiency together

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For end users

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