



# HINEN HOME BATTERY SYSTEM

A Series H 15T  
8.9 kWh Battery & Three-Phase 15 kW Inverter



## All-in-One Powerhouse

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



## Premium Efficiency

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



## Intelligent Control

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



## Safe & Durable

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



## Seamless Backup Protection

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



## Expandable Storage

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



## Flexible Integration

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



## Sustainable Luxury

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

# A Series H 15T

8.9 kWh Battery & Three-Phase 15 kW Inverter



- 4 MPPT inputs, 120% Oversized PV input, Max 30 kW.
- Inverter parallel function, up to 6 units, Max. output power up to 150KW, massive energy storage of 160.2 kWh.
- Stackable integrated design, plug & play, no additional cable, saves 50% installation time.
- 120~600V ultra-wide battery voltage range, realizing 20KW charging & discharging capacity of one way battery.
- Support 100% three-phase unbalanced output.
- The phase sequence does not matter, ensuring easier and more flexible installation.
- Built-in change over switch, allows manual selection between Backup mode and By-pass mode for backup loads.
- Intelligent load management via dry contacts.
- Backup load transfer time  $\leq 10\text{ms}$ .

# Technical Datasheet

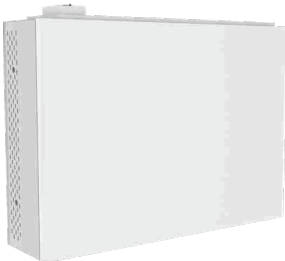
| Model                                                    | A15000T<br>A15000T-E                                                 |
|----------------------------------------------------------|----------------------------------------------------------------------|
| Item                                                     |                                                                      |
| PV Input Specification                                   |                                                                      |
| Recommended max. PV input power                          | 3000W                                                                |
| Max. PV input voltage                                    | 1000d.c.V                                                            |
| Startup voltage                                          | 120d.c.V                                                             |
| Rated PV input voltage                                   | 600d.c.V                                                             |
| PV voltage range                                         | 140d.c.V - 950d.c.V                                                  |
| No. of independent MPPT inputs                           | 4                                                                    |
| No. of PV strings per MPPT                               | 1/1/1                                                                |
| Max. input current per string                            | 16/16/ 16/ 16 Ad.c.                                                  |
| Max. short-circuit current                               | 22/22/ 22/ 22 Ad.c.                                                  |
| Max. inverter backfeed current to the array              | 0Ad.c.                                                               |
| Battery Port Specification                               |                                                                      |
| Battery type                                             | Li-ion Battery                                                       |
| Battery voltage                                          | 120d.c.V - 600d.c.V                                                  |
| Max. charge / discharge current                          | 45Ad.c./45Ad.c.                                                      |
| Max. charge / discharge power                            | 20000W/20000W                                                        |
| Max. short-circuit input current                         | 210Ad.c.                                                             |
| Communication                                            | CAN                                                                  |
| Charging strategy                                        | BMS instructions                                                     |
| Battery expansion                                        | 1~3 series-connected 8.9kWh high-voltage battery modules per cluster |
| Grid Port Specification                                  |                                                                      |
| Rated AC input apparent power                            | 15000VA                                                              |
| Max. AC input current                                    | 30.4Aa.c.                                                            |
| Rated AC output power                                    | 15000W                                                               |
| Rated AC output apparent power                           | 15000VA                                                              |
| Max. AC output current                                   | 22.8Aa.c.                                                            |
| Rated AC output current                                  | 21.8Aa.c.                                                            |
| AC output inrush current                                 | 68.8Aa.c.                                                            |
| Max. backfeed short-circuit current                      | 150Aa.c.                                                             |
| AC input inrush current                                  | 56Aa.c.                                                              |
| Rated AC voltage                                         | 400Va.c./230Va.c., 3L/N/PE                                           |
| Rated grid frequency                                     | 50Hz/60Hz                                                            |
| THDI @Full load                                          | < 3%                                                                 |
| Power factor at rated power<br>/ Adjustable power factor | > 0.99 (0.8 leading -0.8 lagging)                                    |
| Backup Port Specification                                |                                                                      |
| Rated AC output apparent power                           | 15000VA                                                              |
| Rated AC output power                                    | 15000W                                                               |
| Max. AC output current                                   | 29Aa.c.                                                              |
| Peak AC output power                                     | 20000W                                                               |
| AC nominal voltage                                       | 400Va.c./230Va.c., 3L/N/PE                                           |
| AC nominal frequency                                     | 50Hz/60Hz                                                            |
| THDV @Linear load                                        | < 3%                                                                 |
| Back-up switch time                                      | < 10ms                                                               |

# Technical Datasheet

| Item                               | Model | A15000T<br>A15000T-E                                                                                                                                                                                                                                 |
|------------------------------------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                    |       |                                                                                                                                                                                                                                                      |
| Efficiency                         |       |                                                                                                                                                                                                                                                      |
| Max. efficiency                    |       | 98.0%                                                                                                                                                                                                                                                |
| European efficiency                |       | 97.4%                                                                                                                                                                                                                                                |
| 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                                                                                                                                                                                                                                                  |
| Residual current detection         |       | yes                                                                                                                                                                                                                                                  |
| Insulation resistance detection    |       | yes                                                                                                                                                                                                                                                  |
| Active anti-islanding method       |       | yes (Frequency Shift)                                                                                                                                                                                                                                |
| Over voltage category              |       | DC type II/AC type III                                                                                                                                                                                                                               |
| Protective class                   |       | Class I                                                                                                                                                                                                                                              |
| General Information                |       |                                                                                                                                                                                                                                                      |
| Topology (solar / battery)         |       | Transformerless/Transformerless                                                                                                                                                                                                                      |
| Ingress protection rating          |       | IP65                                                                                                                                                                                                                                                 |
| Pollution degree classification    |       | External (PD3), Internal (PD2)                                                                                                                                                                                                                       |
| Dimensions (W * H * D)*            |       | 730 *637 *180 mm (±4mm)                                                                                                                                                                                                                              |
| Weight*                            |       | 59KG (±3KG)                                                                                                                                                                                                                                          |
| Installation type                  |       | Floor stand                                                                                                                                                                                                                                          |
| Operating ambient temperature      |       | -20 °C - 60 °C (> 45 °C derating)                                                                                                                                                                                                                    |
| Relative humidity (Non-condensing) |       | 0% - 100%                                                                                                                                                                                                                                            |
| Cooling method                     |       | Fan cooling                                                                                                                                                                                                                                          |
| Noise(MAX)                         |       | < 45dB                                                                                                                                                                                                                                               |
| Max. operating altitude            |       | 3000m                                                                                                                                                                                                                                                |
| Wet locations classification       |       | Yes                                                                                                                                                                                                                                                  |
| Display                            |       | LCD+APP                                                                                                                                                                                                                                              |
| Monitor                            |       | RS485/WIFI                                                                                                                                                                                                                                           |
| DC connection                      |       | MC4                                                                                                                                                                                                                                                  |
| AC connection                      |       | 5P Connector                                                                                                                                                                                                                                         |
| Warranty                           |       | 10 years                                                                                                                                                                                                                                             |
| Country of manufacture             |       | Made in China                                                                                                                                                                                                                                        |
| Certification & Standard           |       |                                                                                                                                                                                                                                                      |
| Certification                      |       | CB, CE, UKCA, SONCAP, RCM, ROHS                                                                                                                                                                                                                      |
| Standard                           |       | IEC/EN 62109-1, IEC/EN 62619-2, 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 62947.3, AS 60947.3, VDE-AR-N 4105, EN 50549-1 ,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

| Model                                                                                                                                                                                                                            |                                                                                                                  | A15000T                                                                               |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Item                                                                                                                                                                                                                             |                                                                                                                  |                                                                                       |
| <b>Hybrid inverter</b><br>Rated AC output power<br>Dimension (W*H*D)<br>Weight                                                                                                                                                   | 15000W<br>730mm*637mm*180mm<br>59kg                                                                              |    |
| <b>Control box</b>                                                                                                                                                                                                               | Built-In Grid/ Backup/ DC Circuit Breaker                                                                        |    |
| Model                                                                                                                                                                                                                            |                                                                                                                  | B8900M-HA                                                                             |
| Item                                                                                                                                                                                                                             |                                                                                                                  |                                                                                       |
| <b>High Voltage Battery Management System</b><br>Operating Voltage<br>Max.Charge/ Discharge Current<br>Operating Temperature<br>Ingress Protection<br>Dimension (W*H*D)<br>Weight                                                | 135~583.2VDC<br>52A<br>-20° C~60° C<br>IP65<br>730*160*180mm<br>10kg                                             |   |
| <b>Battery Module</b><br>Battery Type<br>Nominal Voltage<br>Rated Capacity<br>Rated Energy<br>Max. Charge/ Discharge Current<br>Charge Temperature<br>Discharge Temperature<br>Ingress Protection<br>Dimension (W*H*D)<br>Weight | LiFePO4(LFP)<br>172.8V<br>52Ah<br>8.985kWh<br>52A<br>0° C~55° C<br>-20° C~60° C<br>IP65<br>730*510*180mm<br>83kg |  |
| <b>Battery Module Base</b><br>Dimension (W*H*D)<br>Weight                                                                                                                                                                        | 730*40*180mm<br>5.8kg                                                                                            |  |

# 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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