Hisense
Hisense Network Energy

Qingdao Hisense Network Energy Co.,Ltd

Office Address: Building C2, Hisense New R&D Center, No. 399, Songling Road, Laoshan District, Qingdao City, Shandong Province
Production Address: No. 1, Hisense Road, Pingdu City, Qingdao City, Shandong Province
Official website: wlny.hisense.com

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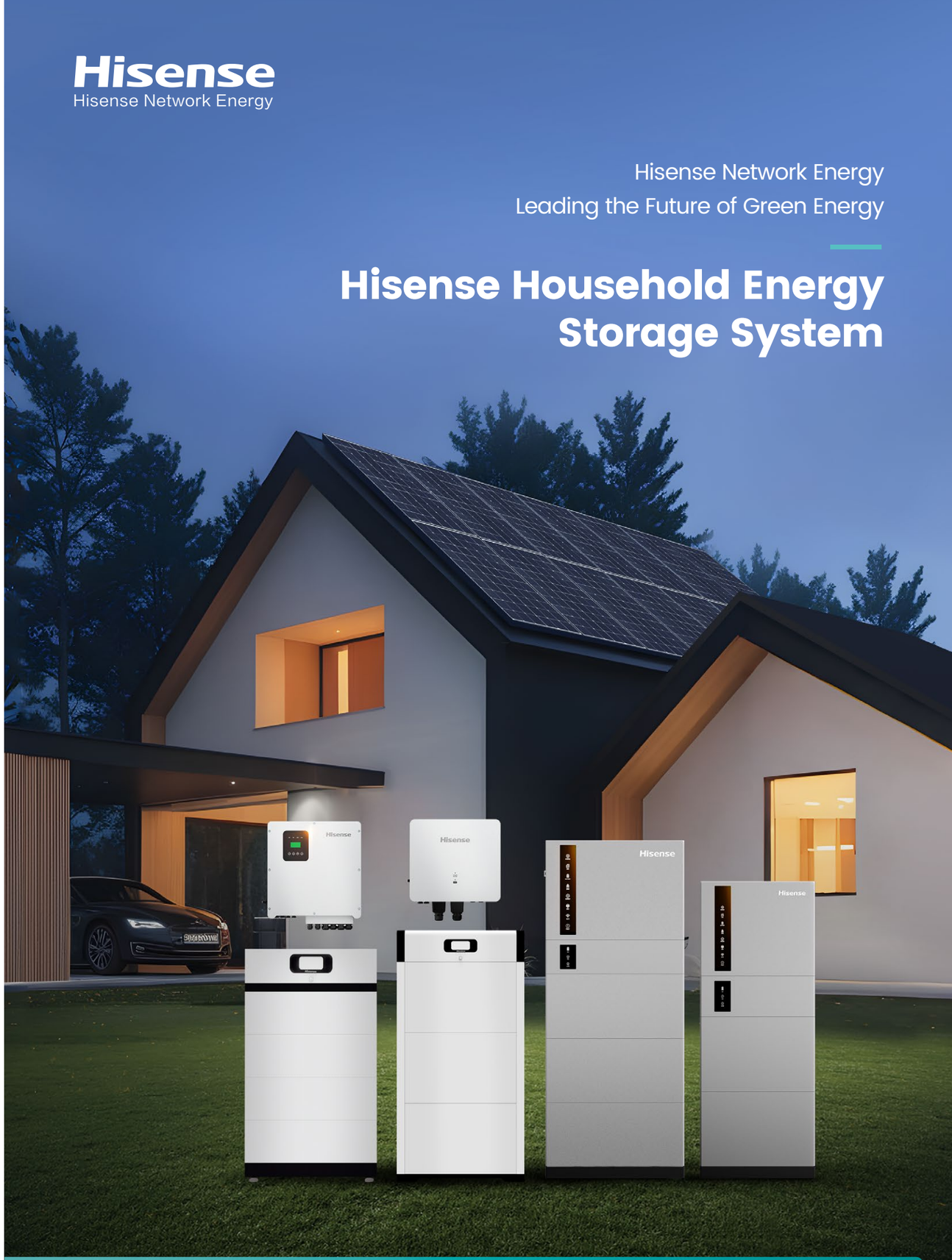
Hisense
Hisense Network Energy

Hisense Network Energy
Leading the Future of Green Energy

Hisense Household Energy Storage System



Hisense Group
Diversity-Tolerant Unlimited Trustiness

Founded in 1969, Hisense has always adhered to the development strategy of "Develop enter-prise with technologies & Operate in a steady way". The Group has five listed companies including Hisense Visual Technology (600060), Hisense Home Appliances(000921), Sanden Holdings (6444), Kelin Electric (603050),and Changelight (300102). It owns more than 20 subsidiaries, and many brands including Hisense, Toshiba TV, GORENJE, KELON, Ronshen, ASKO and VIDDA, etc. As a benchmark company to undertake Hisense Group's development strategy in the fields of power electronics and new energy, Qingdao Hisense Network Energy Co., Ltd. is currently mainly engaged in the R&D and sales of related products in the field of new energy, and has created full-stack solutions in the fields of light, storage and charge, with a cumulative energy storage supporting business of 10G watt-hours.

Sales revenue in 2024

RMB **215.3** billion

31
R&D organizations

64
overseas branches

36
industrial parks
and production bases

100,000
employees

Hisense
Network Energy

A leading global provider of comprehensive new energy solutions

Adhere to Hisense's development strategy of "Develop enterprise with technologies", rely on power electronics technology and green temperature control technology, promote the green energy revolution, and provide strong support for the carbon peaking and carbon neutrality goals.

Qualification of Products

Ou product obtaine man certifications, includin IEC 62619:2022, IEC/EN 61000-6-1:2019, IEC/EN 61000-6-3:2021, IEC/EN 62109-1/-2, IEC/EN 62477-1, IEC/EN 61000-6-1/-6-3, EN/IEC61000-3-11, EN61000-3-12, UN38.3.Certificates for European Grid Connection: EN50549-1, Certifica tes for German Grid Connection: VDE4105/0124, Certificates for Italian Grid Connection: CEI 0-21:2022, Certificates for Dutch Grid Connection: EN50549 -1, Certificates forBelgian Grid Connection: C10/11, G98 etc.

Hisense Network Energy
Leading the Future of Green Energy

Energy Storage System

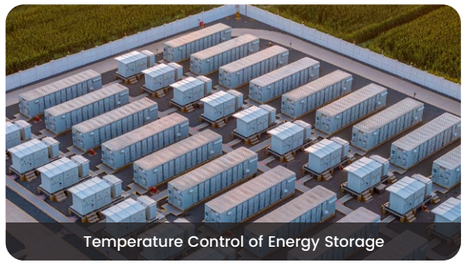
Provide a household energy storage system solution with convenient installation.

Household Energy Storage System

Entered European markets such as Italy and Germany

Temperature Control of Energy Storage

Provide a household energy storage system solution with convenient installation.



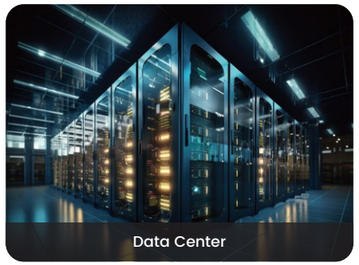
Temperature Control of Energy Storage

Accumulated installed capacity of energy storage facilities 25GWh

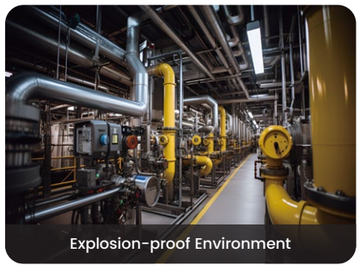
Temperature Control System of Special-Purpose Air Conditioners

Provide green, efficient, intelligent and safe special - environment temperature - control solutions

Communication Station



Data Center



Explosion-proof Environment

In the four major operator systems including China Mobile, China Unicom, China Telecom, and China Tower, the communication temperature - control products rank TOP1 in terms of proportion.

Product Value

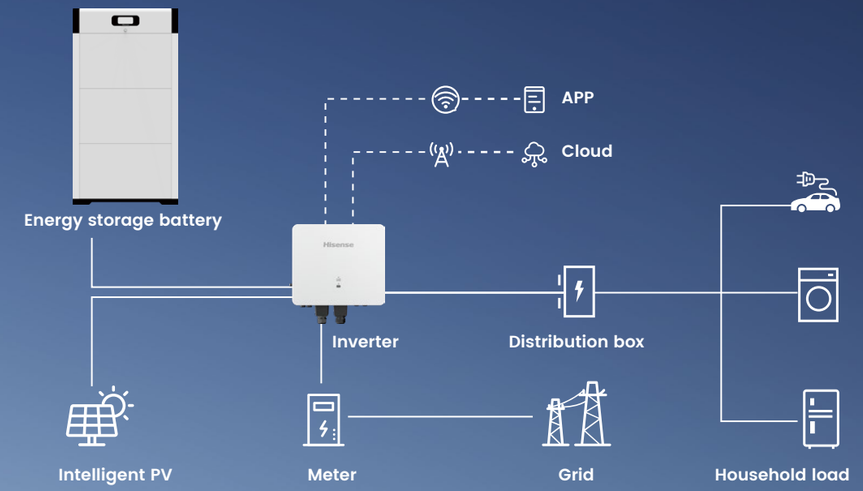
Hisense Household Energy Storage System, providing one-stop solutions for home energy problems to maximize your usage of electricity.

Link to zero-carbon electricity consumption
Enjoy green energy

Ensure the load power consumption
Prevent power outage

Intelligent peak-valley electricity utilization
Save electricity costs

Power market transactions
Add extra revenues



Intelligent PV-ES

Realize self-generation and self-consumption via PV system, and surplus electricity is uploaded to the grid or stored in household energy storage batteries.

Cloud monitoring

Support uploading system data to the cloud through Wi-Fi, etc., and monitoring information through mobile apps, platforms, etc.

Stable power consumption

Daily electricity consumption can be set with power priority, and the inverter, combined with household energy storage batteries, achieves stable electricity consumption in all scenarios of household loads.

Load consumption

A new mode of household electricity consumption is created through green electricity usage terminals and household loads, such as household appliances and electric vehicles.

Single Phase Inverter

Three Phase Inverter

Low - Voltage Battery System

High - Voltage Battery System

Hi-Mini Household Energy Storage Solution

Hi-Mini household energy storage solution is a miniaturized energy storage offering independently developed by our company. It includes a single-phase low-voltage split system and a three-phase high-voltage split system. The single-phase low-voltage split-type system is made up of a single-phase hybrid inverter paired with a low-voltage battery system. Meanwhile, the three-phase high-voltage split-type system consists of a three-phase hybrid inverter integrated with a high-voltage battery system.

Hi-Mini can be used in combination with renewable energy sources such as solar photovoltaic panels or wind turbines, converting solar and wind energy into DC electric energy to be stored in batteries and then converting into AC electricity for home use when needed. With its features of safety, high-efficiency, intelligence, and convenience, Hi-Mini enables users to enjoy a high-quality power supply with peace of mind, while also experiencing unprecedented convenience and security.

Energy in hand, light on command

Hi-Mini Series

Single Phase Inverter

HiRY3KS/3K6S/4KS/4K6S/5KS/6KS/8KS-A0

Easy installation

Lightweight and compact, easy to install,
save 50% of labor installation costs

Intelligent O&M

Mobile phone (Wi-Fi) setting
and maintenance available

High cost-effectiveness

Enhance full load efficiency by 0.5%,
and significantly improve cost effectiveness

High Compatibility

The high-power can cover 3~8 kW,
meeting the single-phase load needs of users

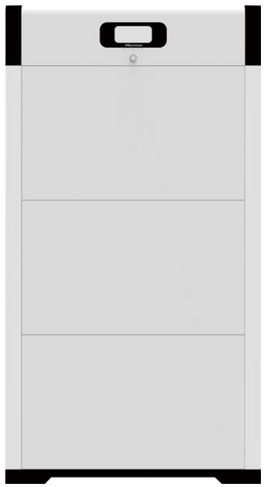
Single Phase Inverter

Model	HiRY3KS-A0	HiRY3K6S-A0	HiRY4KS-A0	HiRY4K6S-A0	HiRY5KS-A0	HiRY6KS-A0	HiRY8KS-A0
Input parameters (Photovoltaic)							
Maximum input power (kW)	4.5	5.4	6	6.9	7.5	9	12
Starting Voltage (V)	100						
Maximum DC voltage (V)	550						
MPPT working voltage range/rated voltage (V)	80~500*/360						
Maximum input currentof a single MPPT (A)	16/16	16/16	16/16	16/16	16/16	16/16	16/32
Output parameters (AC)							
Rated power (kW)	3	3.68	4	4.6	5	6	8
Maximum output current (A)	14.3	16	19.1	20	21.7	28.7	38.3
Grid voltage/range (V)	230/176~270						
Grid frequency (Hz)	50/60						
Power factor	1 (0.8lead to 0.8lag)						
Current THDI	<3%						
Grid connection type	L+N+PE						
Batteryparameters							
Battery voltage range (V)	40~58						
Maximum charging voltage (V)	58						
Maximum charging/discharging current (A)	60/60	72/72	80/80	92/92	100/100	120/120	160/160
Type	Lithium batteries/lead-acid batteries						
Communication mode	CAN						
Emergency power output (EPS)							
Rated power (kW)	3	3.68	4	4.6	5	6	8
Rated output voltage (V)	230						
Rated output current(A)	13	16	17.4	20	21.7	26	35
Rated output frequency (Hz)	50/60						
Automatic switching time (ms)	<10						
THDu	<2%						
Overload capacity	110%, 60S/120%, 30S/150%, 722ms						
General							
Battery charging and discharging efficiency	96%						
Maximum efficiency	98%						
European efficiency	97%						
MPPT efficiency	99.9%						
Protection class	IP65						
Noise (dB)	<35						
Environmental temperature range (℃)	-25~60						
Cooling method	Natural cooling						
Relative humidity	0~95% (No condensation)						
Altitude (m)	0~2000 (No derating below 2000)						
Dimensions (W*D*H, mm)	454.5*200*467						484.5*200*467
Netweight (kg)	19						22
Topology	No isolation transformer						
Night standby power consumption (W)	<15						
Display	No screen						
Communication mode	RS485/CAN/Wi-Fi						

*Please refer to the instruction manual for the specifications.

Hi-Mini Series

Low - Voltage Battery System



HEL5/10/15-BA0 (H)

IP65 Protection

High IP grade; No worry for water immersion;
Supporting outdoor placement.

High Security

It is equipped with multiple protection measures, such as intrinsic safetyof battery, module technology, housing protection, circuit protection, and supporting fire protection.

Easy to Use

It can be woken up and turned on and off with one click, which can improve user experience.

Modular Stacked Design

It adopts stacked installation, which is simple and convenient, and allows upto 3 battery packs to be used in parallel.

Efficient Filtering

It adopts the Kalman filtering algorithm, which provides more accurate SOC estimation in the long time domain and extends its service life.

Multi level security

Equipped with aerosol fire extinguishing device.Fool-proofing prevents the wrong manipulating of starting system.

Outstanding low-temperature working status

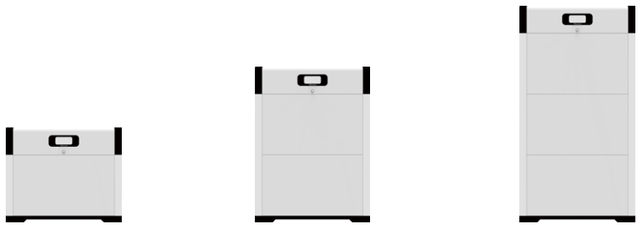
Equipped with heating film,available to increase the ambient temperature if it turns under 0°C, guaranteeing the system to work normally.

Plug-and-play

If a single battery module fails, it will automatically exit without affecting system usage;
after faultre covery, the module automatically connects tothe system.

Key data display

4.3-inch display screen displays key data of voltage, current, SOC,and current status.



Low - Voltage Battery System

Product model	HEL5-BA0 (H)	HEL10-BA0 (H)	HEL15-BA0 (H)
Cell specification	100Ah，LFP		
Number of modules (Pcs)	1	2	3
Maximum available power (kW)	2.5	5	5
Rated capacity (kWh)	5.12	10.24	15.36
Rated voltage (Vdc)	51.2		
Maximum current (A)	50	100	
Working ambient temperature (℃)	Charge: -20~55; Discharge: -20~55		
Communication mode	CAN/RS485		
Dimensions (W*D*H, mm)	685*155*565	685*155*925	685*155*1290
Weight (kg)	~58	~105	~152
Protection class	IP65		
Cooling method	Natural cooling		
Cyclelife (Times)	6000 (70%EOL)		
Display	4.3-inch display (SOC, voltage, current, operation status)		
Mounting method	Floor-standing type		
Installation environment Indoor/outdoor	Indoor/outdoor		
Applicable inverter	Only support Hisense inverters		
Altitude (m)	≤2000		
Qualification	UN38.3、IEC62619、IEC61000		

Hi-Mini Series

Three Phase Inverter

HiRY6KT/8KT/10KT/12KT/15KT-A0-P

Friendly and Flexible

Support the connection of diesel generators;
Support full-power discharge and automatic management of battery charging and discharging;
Adopt a non-external cooling fan design to reduce noise.

Economical and Practical

Support multiple operating modes, making it more economical;
Serve as UPS to support critical load when there is no grid power supply.

Safety and Reliability

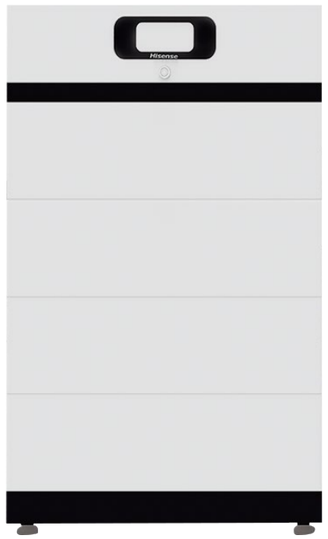
Have the functions of anti-islanding protection, photovoltaic input reverse protection, battery input reverse protection, insulation monitoring, residual current monitoring, AC overcurrent protection, AC overload protection, and short circuit protection.

Three Phase Inverter

Products Model	HiRY6KT-A0-P	HiRY8KT-A0-P	HiRY10KT-A0-P	HiRY12KT-A0-P	HiRY15KT-A0-P
	Basic parameters				
Protection class	IP65				
Working temperature range (°C)	-25~60				
Relative humidity	0~100%				
Altitude (m)	4000 (Derating above 2000)				
Dimensions (W*D*H, mm)	596*566*220				
Net weight (kg)	30	31	31	33	34
Cooling method	Natural cooling				
Noise (dB)	≤35				
Night standby power consumption (W)	<20				
EMC	IEC/EN61000-6-1:2019, IEC/EN61000-6-2:2019, IEC/EN61000-6-3:2021, IEN/EN61000-6-4:2019, IEC/EN61000-3-2:2019/A1:2021, EN61000-3-3:2013/A2:2021, IEC/EN61000-3-11:2019, EN61000-3-12:2011				
Safety standard	IEC/EN62109-1:2010, IEC/EN62109-2:2011				
	Product interface parameters				
Display	LCD; APP				
BMS Interface	CAN				
EMS interface/meter communication interface	RS485				
Communication interface supported	WIFI/GPRS				
	Battery interface parameters				
Maximum charging & discharging power (kW)	6.6	8.8	11	13.2	16.5
Battery voltage range (V)	125~600				
Battery operating voltage range (V)	150~550				
Maximum charging/discharging current (A)	50				
Rated charging/discharging current (A)	40				
Type	Lithium battery and lead-acid battery				
Communication interface	CAN				
	Input parameters (DC)				
Maximum DC input power (kW)	9	12	15	18	22.5
Maximum DC input voltage (V)	1000				
MPPT voltage range (V)	180~850				
MPPT full-load voltage range (V)	250~850	330~850	430~850	510~850	620~850
Minimum input voltage/starting voltage (V)	125/180				
Maximum input current of a single MPPT (A)	18/18	18/18	18/18	18/18	20/20
Maximum shortcircuit current (A)	25/25	25/25	25/25	25/25	30/30
Numberof MPPT trackers	2				
Numberof strings per MPPT tracker	1/1	1/1	1/1	1/1	2/2
Rated inputvoltage (V)	700				
	AC-side (Grid connection) parameters				
Rated output power (kVA)	6	8	10	12	15
Maximum output power (kVA)	6.6	8.8	11	13.2	16.5
Maximum grid input power (kVA)	13.2	17.6	22	26.4	33
Maximum grid input current (A)	19.1	25.5	31.8	38.1	47.6
Rated output current (A)	8.7	11.5	14.4	17.3	21.7
Maximum output current (A)	9.5	12.7	15.9	19.1	23.8
Rated grid voltage (V)	380/400, 3W+N+PE				
Rated grid frequency (Hz)	50/60				
Current THDI	<3%				
	AC-side (Off-grid) parameters				
Rated output power (kVA)	6	8	10	12	15
Maximum output apparent power (kVA)	6.6	8.8	11	13.2	16.5
Rated output current (A)	8.7	11.5	14.4	17.3	21.7
Maximum output current (A)	9.5	12.7	15.9	19.1	23.8
Rated output voltage (V)	400, 3W+N+PE				
Rated output frequency (Hz)	50/60				
THDu	<2%				
Maximum efficiency	97.9%	97.9%	98.2%	98.2%	97.6%
European efficiency	97.2%	97.2%	97.5%	97.5%	97.8%
MPPT efficiency	99.9%				
Maximum battery charging/discharging efficiency	97.5%	97.5%	97.5%	97.6%	97.8%

Hi-Mini Series

High-Voltage Battery System



HEH10/12.5/15/17.5/20-BA0 (H)

IP65 Protection

IP65 protection It features high IP rating, and it is waterproof and dustproof.

High Security

It is equipped with multiple protection measures such as intrinsic safety of battery, module technology, housing protection, circuit protection, and supporting fire protection, fool-proofing, etc.

Outstanding low-temperature working status

Equipped with heating film, available to increase the ambient temperature if it turns under 0°C, guaranteeing the system to work normally.

Easy to Use

It can be woken up, and turned on and off with one click, which can improve user experience.

Modular Stacked Design

It adopts a stacked installation, which is simple and convenient,supporting up to 8 battery packs in series, with a capacity of up to 20 kWh. With the additional parallel interface, it supports 5 energy storage systems for parallel use, with a maximum capacityof up to 100 kWh, and supports 8-meter battery packs with a series capacity of up to 100 kWh.

Efficient Filtering

It adopts the Kalman filtering algorithm, which provides more accurate SOC estimation in the long time domain and extends its service life.

High-voltage Battery System

Model	HEH10-BA0 (H)	HEH12.5-BA0 (H)	HEH15-BA0 (H)	HEH17.5-BA0 (H)	HEH20-BA0 (H)
Cell specification	50Ah, LFP				
Number of modules	4	5	6	7	8
Battery capacity (kWh)	10.24	12.8	15.36	17.92	20.48
Rated voltage (Vdc)	204.8	256	307.2	358.4	409.6
Rated current (A)	25				
Usage temperature (°C)	Charge: −20~55 Discharge: −20~55				
Communication mode	CAN/RS485				
Dimensions (W*D*H, mm)	560*340*800	560*340*940	560*340*1075	560*340*1210	560*340*1350
Weight (kg)	~155.5	~189.5	~223.5	~257.5	~291.5
Protection class	IP65				
Cooling method	Natural cooling				
Cycle life	6000 (70%EOL)				
Display	4.3-inch display (SOC, voltage, current, operation status)				
Mounting method	Floor-standing type				
Use environment	Indoor/outdoor				
Applicable inverter	Only support Hisense inverters				
Altitude (m)	≤2000				
Qualification	Un38..3、IEC61000、IEC62619、IEC62477				

Three-Phase High-Voltage All-in-One Machine

Single-Phase Low-Voltage All-in- One Machine

Hi-Prime Household Energy Storage Solution

Hi-Prime household energy storage solution is independently developed by our company. It is an integrated residential energy storage system meticulously crafted for modern home energy management.It encompasses a single-phase low-voltage all-in-one machine and a three-phase high- voltage all-in-one machine. The single-phase low-voltage all-in-one machine is equipped with a hybrid inverter with a power range of 3kW-6kW, along with expandable battery modules. The three-phase high-voltage all-in-one machine comes with a hybrid inverter having a power range of 5kW-12kW, paired with expandable battery modules. With its excellent cost-effectiveness, pared-down simplicity, extreme convenience, impregnable safety, and state-of-the-art intelligence, Hi-Prime has become the go-to choice for modern home energy management.

5kW-12kW
Paired with expandable battery modules

3kW-6kW
Paired with expandable battery modules

Simple and safe power, lighting our smart life

Hi-Prime Series

Three Phase High Voltage Integrated Machine

HiRY5KT/6KT/8KT/10KT/12KT -AA1

Simple Installation

All in one design, plug and play, expandable and the installation can be completed in less than 25 minutes.

Sleek Design

Designed with minimalist aesthetics, it suits indoor and outdoor use. A touch-screen LCD display allows for easy status checks.

Simple O&M (Operation and Maintenance)

Monitor device status in real-time via the APP. It alerts for anomalies and offers smart maintenance.

Ultimate Safety

IP65 protection level, five-layer safety design, strict standards, and extreme-condition testing ensure overall reliability.

Super Intelligence

Multiple scenario modes. Control energy status with one tap. Customize exclusive energy strategies.

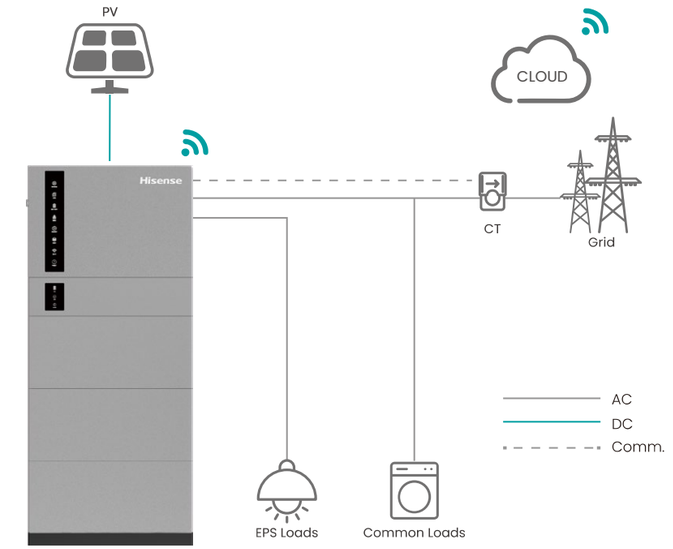
Three Phase High Voltage Integrated Machine

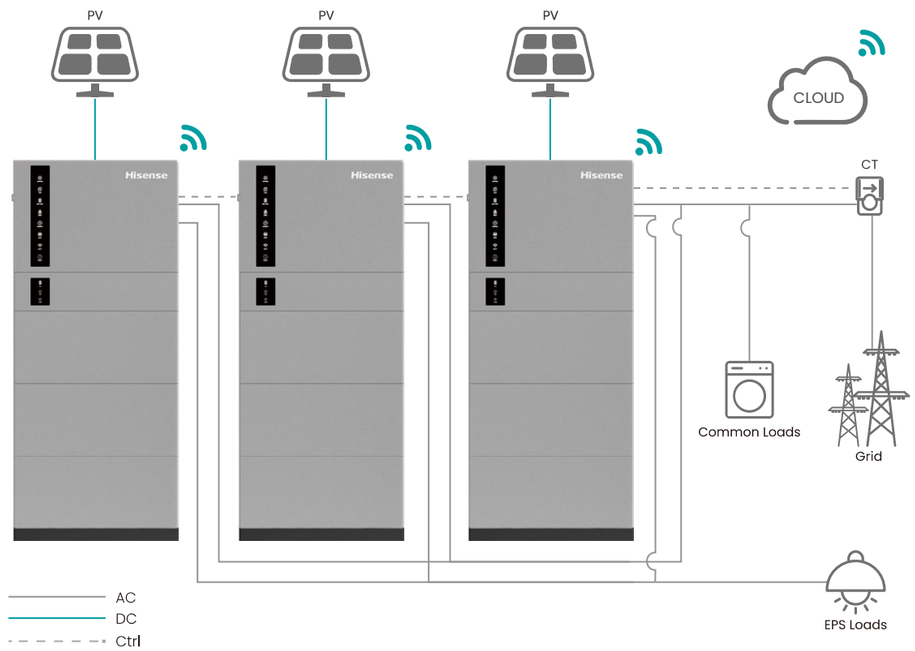
Type	HiRY5KT-AA1	HiRY6KT-AA1	HiRY8KT-AA1	HiRY10KT-AA1	HiRY12KT-AA1
Input PV					
Maximum PV input power (kW)	7.5	9	12	15	18
Maximum DC voltage (V)	1000				
Starting voltage (V)	120				
MPPT working voltage range (V)	140~900				
Number of MPPT	2				
Number of MPPT strings per channel	1				
Maximum input current per MPPT channel (A)	18				
Maximum short-circuit current per MPPT channel (A)	25				
Input AC					
Max. AC apparent power (kVA)	11	13.2	17.6	22	26.4
Max. AC current (A)	16	19.2	25.4	31.8	38.2
Rated Frequency (Hz)	50/60				
Output AC (On-Grid)					
Rated power (kW)	5	6	8	10	12
Maximum apparent power (kVA)	5.5	6.6	8.8	11	13.2
Rated voltage (V)	400 (339~438)				
Rated frequency (Hz)	50/60 (45~55/55~65)				
Rated output current (A)	7.2	8.7	11.6	14.5	17.4
Maximum output current (A)	8.0	9.6	12.7	15.9	19.1
THDi	<3%				
Grid connection type	3W+N+PE				
Output AC (Backup)					
Rated power (kW)	5	6	8	10	12
Maximum apparent power (kVA)	5.5	6.6	8.8	11	13.2
Rated output current (A)	7.2	8.7	11.6	14.5	17.4
Maximum output current (A)	8.0	9.6	12.7	15.9	19.1
Overload Capability	>150% for 10 sec				
Output Current Harmonic Distortion	THD<3% (Nonlinear load); THD<1.5% (Linear load)				
Transfer Time (ms)	<10				
Battery					
Maximum charging and discharging power (kW)	5	6	8	10	12
Battery voltage range (V)	120~800				
Maximum charging and discharging current (A)	30				
Rated charging and discharging current (A)	25				
Battery type	Lithium				
Scalability (kWh)	5.12 (2~6 in series)				
Cycle life	>6000				
Weight (kg)	Base+Combiner Box: 15 Battery pack: 50				
Dimensions (W*D*H, mm)	Battery pack: 730×200×320 Combiner Box: 730*200*170 Base: 730*200*60				
Warranty (Years)	5				
Safety	CE, TUV (IEC62619), RoHS, REACH				

Three Phase High Voltage Integrated Machine

Type	HiRY5KT-AA1	HiRY6KT-AA1	HiRY8KT-AA1	HiRY10KT-AA1	HiRY12KT-AA1
General Data (Inverters)					
Dimensions (W*D*H, mm)	730*200*495				
Weight (kg)	<35				
Working temperature range (℃)	-25~60 (Derating 45)				
Cooling method	Natural cooling				
Protection level	IP65				
Relative humidity	0~95%				
Altitude (m)	3000 (Derating by 2000)				
DC connection type	MC4				
AC connection type	Connector				
Display mode	LED/LCD				
communication interface	RS485/CAN/USB				
Noise (dB)	35				
Overvoltage category	OVC III (AC Main), OVC II (PV)				
Efficiency					
Maximum efficiency	97.5%	97.5%	97.5%	98.0%	98.0%
Efficiency in Europe	97.0%	97.0%	97.0%	97.5%	97.5%
MPPT efficiency	99.9%	99.9%	99.9%	99.9%	99.9%
Protection					
Input reverse connection protection	Yes				
Battery reverse connection protection	No				
PV overvoltage protection	Yes				
Anti islanding protection	Yes				
Insulation impedance testing	Yes				
Residual current detection	Yes				
AC short circuit protection	Yes				
AC overcurrent protection	Yes				
AC overvoltage protection	Yes				
Output overvoltage protection	Yes				
PV input DC switch	Yes				
Battery soft start protection	No				
Lightning protection	Yes				
Remote scheduling of dry nodes	Yes				
Prevent reverse flow	Yes				

Tactical Scenario





Hi-Prime Series

Single Phase Low Voltage Integrated Machine

HiRY3KS/3K6S/4KS/4K6S/5KS/6KS -A1

Simple Installation

All in one design, plug and play, expandable and the installation can be completed in less than 25 minutes.

Sleek Design

Designed with minimalist aesthetics, it suits indoor and outdoor use. A touch-screen LCD display allows for easy status checks.

Simple O&M (Operation and Maintenance)

Monitor device status in real-time via the APP. It alerts for anomalies and offers smart maintenance.

Ultimate Safety

IP65 protection level, five-layer safety design, strict standards, and extreme-condition testing ensure overall reliability.

Super Intelligence

Multiple scenario modes. Control energy status with one tap. Customize exclusive energy strategies.

Single Phase Low Voltage Integrated Machine

Type	HiRY3KS-A1	HiRY3K6S-A1	HiRY4KS-A1	HiRY4K6S-A1	HiRY5KS-A1	HiRY6KS-A1
Input PV						
Maximum PV input power (kW)	4.5	5.4	6	6.9	7.5	9
Maximum DC voltage (V)	550					
Start-up voltage (V)	40					
MPPT working voltage range (V)	80-450					
Number of MPPT	1	2	2	2	2	2
Number of MPPT strings per channel	1					
Maximum input current per MPPT channel (A)	18					
Maximum short-circuit current per MPPT channel (A)	22.5					
Input AC						
Normal AC Voltage (VAC)	220/230 (single phase)					
Frequency (Hz)	50/60					
Max. cont. input (A)	27.3	32.7	36.4	41.8	45.5	54.5
Max. cont. input (kW)	6	7.2	8	9.2	10	12
Grid type	L+N+PE					
Output AC (Backup)						
Rated power (kW)	3	3.6	4	4.6	5	6
Maximum apparent power (kVA)	3.3	4	4.4	5.1	5.5	6.6
Rated voltage (V)	220/230					
Rated frequency (Hz)	50/60 (45-55/55-65)					
Rated output current (A)	15	18	20	22	25	30
Maximum output current (A)	16.5	19.8	22	24.2	27.5	33
THDi	<3%					
Grid connection type	L+N+PE					
Output AC (Off-Grid)						
Normal Voltage (VAC)	220/230 (single phase)					
Frequency (Hz)	50/60					
Nominal Current (A)	15	18.2	20	23.2	25	30
Max. cont. Power (kW)	3	3.6	4	4.6	5	6
Overload Capability (off grid)	**>200% for 15 sec**					
Output Power Factor (off grid)	**1.0**					
Output Current Harmonic Distortion	**THD<3% (Nonlinear load); THD<1.5% (Linear load)**					
Battery						
Maximum charging and discharging power (kW)	3.3	3.6	4	4.6	5	6
Battery voltage range (V)	48 (40-60)					
Maximum charging and discharging current (A)	75	90	100	110	120	120

Single Phase Low Voltage Integrated Machine

Type	HiRY3KS-A1	HiRY3K6S-A1	HiRY4KS-A1	HiRY4K6S-A1	HiRY5KS-A1	HiRY6KS-A1
Rated charging and discharging current (A)	120					
Battery type	Li-ion					
Capacity (kWh)	5.12					
Max number of parallel (PCS)	4					
Cycle life	>6000					
Weight (kg)	Base+Combiner Box: 13 Battery pack: 48					
Dimensions (W*D*H, mm)	Battery pack: 600*200*370 Combiner Box:600*200*200 Base: 600*200*60					
General Data (Inverters)						
Dimensions (W*D*H, mm)	600*200*470					
Weight (kg)	≤23					
Working temperature range (℃)	-25~60 (Derating 45)					
Cooling method	Natural cooling					
Protection level	IP65					
Relative humidity	0-95%					
Altitude (m)	3000 (Derating by 2000)					
DC connection type	MC4					
AC connection type	Connector					
Display mode	LED/LCD					
communication interface	RS485/CAN/USB					
Noise (dB)	35					
Overvoltage category	OVC III (AC Main), OVC II (PV)					
Efficiency						
Maximum efficiency	97.5%	97.5%	97.5%	97.5%	98.0%	98.0%
Efficiency in Europe	97.0%	97.0%	97.0%	97.0%	97.5%	97.5%
MPPT efficiency	99.9%	99.9%	99.9%	99.9%	99.9%	99.9%
Protection						
AC Output Overcurrent Protection	Yes					
AC Output Overvoltage Protection	Yes					
AC Output Short Circuit Protection	Yes					
Thermal Protection	Yes					
DC Terminal Insulation Impedance Monitoring	Yes					
DC Component Monitoring	Yes					
Ground Fault Current Monitoring	Yes					
Power Network Monitoring	Yes					
Island Protection Monitoring	Yes					
Earth Fault Detection	Yes					
Overvoltage Load Drop Protection	Yes					
Residual Current (RCD) Detection	Yes					

Tactical Scenario