

All-In-One Energy Storage System

Dongguan Huajiedongli Technology Co., Ltd

Home Energy Storage System

Product Overview

The family energy storage system project takes the family unit as the scenario, actively implements the national "3060" dual-carbon strategy and the "One Belt One Road" strategy, adheres to the mission of "Take Green Energy To All Families", and brings clean, efficient, continuous and cheap energy system products completely solve the status quo of "difficult electricity consumption, expensive electricity, and no electricity".

Features

- Self-powered Home
- Backup Power
- Home energy control, Energy saving
- New Energy ECO & Low Carbon
- Smart Home Control
- Excess Electricity Enables Transactions



Load Power: 3kw/3kw
Storage Ability: 3.6kWh/4.8kWh

Load Power: 3kw/3kw
Storage Ability: 4.8kWh/9.6kWh

Load Power: 3kw/3kw
Storage Ability: 7.2kWh/9.6kWh/14.4kWh

Load Power: 6kw/10kw/12kw
Storage Ability: 19.2kWh

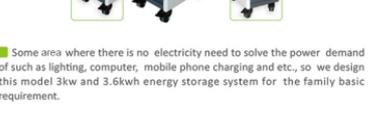
All-In-One Energy Storage System

Product Layout

Allth is an integrated system including PV controller, battery packs, battery management system, inverter and charger, with home energy management and energy efficiency management system.



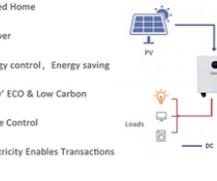
Interface



Applications



3kw/3.6kwh Product — HJ-AI-0336



Some area where there is no electricity need to solve the power demand of such as lighting, TV, computer, mobile phone charging and etc., so we design this model 3kw and 3.6kwh energy storage system for the family basic requirement.

- Product Features:**
- Self-powered Home
 - Backup Power
 - Home energy control, Energy saving
 - New Energy ECO & Low Carbon
 - Smart Home Control
 - Excess Electricity Enables Transactions



Model	HJ-AI-0336
Feed-in Type	Single & Split-Phase
Output Voltage	110 / 220 vac (charge and discharge)
Storage Ability	3.6 kWh
Max Solar Input	2.4 kwip
PV Side Max. Input Voltage	145 VDC
MPPT Voltage	60-110 VDC
PV Charging Max Current (A)	80 A / 30 A
AC Charging Max Current (A)	16 A / 12 A
Charging time	1-3 Hours
Continuous Output Power	3 kw
Peak power	4 kw (discharge only)
Weight	61kg
Size (L*W*H)	560*390*660mm
Inbalance for Single-Phase Loads	100%
Power Factor and Range	± 1.0 adjustable
Battery DC voltage	48V
Depth of Discharge	90%
Operating Humidity(RH)	Up to 100% noncondensing
Operating Temperature	-10°C - 60°C / 14°F - 122°F
Storage Temperature	-20°C - 60°C / 4°F - 142°F
Maximum Altitude	2000m
Ingress Rating	IP 20SA485
Noise Level@1m	≤ 45 dBA at 30
Certificates	CE, MSDS, UN38.3, IEC60901
Mounting Options	Floor
Warranty	10 years
Packaging	Standard Export Carton With pallet

Dongguan Huajiedongli Technology Co., Ltd
 +86 1810109882
 info@huajiedongli.com
 http://www.huajiedongli.com
 Building 11, 233 Luoma Road, Qingxi Town, Dongguan City, Guangdong Province

3kw/4.8kwh Product — HJ-AI-0348



Some area where there is no electricity need to solve the power demand of such as lighting, TV, computer, mobile phone charging and etc., so we design this model 3kw and 4.8kwh energy storage system for the family basic requirement.

- Product Features:**
- Self-powered Home
 - Backup Power
 - Home energy control, Energy saving
 - New Energy ECO & Low Carbon
 - Smart Home Control
 - Excess Electricity Enables Transactions



Model	HJ-AI-0348
Feed-in Type	Single & Split-Phase
Output Voltage	110 / 220 vac (charge and discharge)
Storage Ability	4.8 kWh
Max Solar Input	2.4 kwip
PV Side Max. Input Voltage	145 VDC
MPPT Voltage	60-110 VDC
PV Charging Max Current (A)	80 A / 30 A
AC Charging Max Current (A)	16 A / 12 A
Charging time	1-3 Hours
Continuous Output Power	3 kw
Peak power	4 kw (discharge only)
Weight	72 kg
Size (L*W*H)	560*340*1130mm
Inbalance for Single-Phase Loads	100%
Power Factor and Range	± 1.0 adjustable
Battery DC voltage	48V
Depth of Discharge	90%
Operating Humidity(RH)	Up to 100% noncondensing
Operating Temperature	-10°C - 60°C / 14°F - 122°F
Storage Temperature	-20°C - 60°C / 4°F - 142°F
Maximum Altitude	2000m
Ingress Rating	IP 20SA485
Noise Level@1m	≤ 45 dBA at 30
Certificates	CE, MSDS, UN38.3, IEC60901
Mounting Options	Floor
Warranty	10 years
Packaging	Standard Export Carton With pallet

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3kw/9.6kwh Product — HJ-AI-0396



The first thing of someplace where no electricity is to solve the power demand of such as lighting, TV, computer, mobile phone charging and etc., then with the supply of electricity, it will has some household appliances using, so we design these 2 models 3kw and 9.6kwh energy storage system for the family equipment.

- Product Features:**
- Self-powered Home
 - Backup Power
 - Home energy control, Energy saving
 - New Energy ECO & Low Carbon
 - Smart Home Control
 - Excess Electricity Enables Transactions



Model	HJ-AI-0396
Feed-in Type	Single & Split-Phase
Output Voltage	110 / 220 vac (charge and discharge)
Storage Ability	9.6 kWh
Max Solar Input	4.8 kwip
PV Side Max. Input Voltage	145 VDC
MPPT Voltage	60-110 VDC
PV Charging Max Current (A)	80 A / 30 A
AC Charging Max Current (A)	16 A / 12 A
Charging time	1-3 Hours
Continuous Output Power	3 kw
Peak power	7 kw (discharge only)
Weight	130 kg
Size (L*W*H)	560*340*1130mm
Inbalance for Single-Phase Loads	100%
Power Factor and Range	± 1.0 adjustable
Battery DC voltage	48V
Depth of Discharge	90%
Operating Humidity(RH)	Up to 100% noncondensing
Operating Temperature	-10°C - 60°C / 14°F - 122°F
Storage Temperature	-20°C - 60°C / 4°F - 142°F
Maximum Altitude	2000m
Ingress Rating	IP 20SA485
Noise Level@1m	≤ 45 dBA at 30
Certificates	CE, MSDS, UN38.3, IEC60901
Mounting Options	Floor
Warranty	10 years
Packaging	Standard Export Carton With pallet

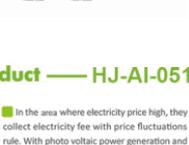
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5kw/4.8kwh Product — HJ-AI-0548



The first thing of someplace where no electricity is to solve the power demand of such as lighting, TV, computer, mobile phone charging and etc., then with the supply of electricity, it will has some household appliances using, so we design these 2 models 5kw and 4.8kwh energy storage system for the family equipment.

- Product Features:**
- Self-powered Home
 - Backup Power
 - Home energy control, Energy saving
 - New Energy ECO & Low Carbon
 - Smart Home Control
 - Excess Electricity Enables Transactions



Model	HJ-AI-0548
Feed-in Type	Single & Split-Phase
Output Voltage	110 / 220 vac (charge and discharge)
Storage Ability	4.8 kWh
Max Solar Input	4.8 kwip
PV Side Max. Input Voltage	145 VDC
MPPT Voltage	60-110 VDC
PV Charging Max Current (A)	80 A / 30 A
AC Charging Max Current (A)	16 A / 12 A
Charging time	1-3 Hours
Continuous Output Power	3 kw
Peak power	7 kw (discharge only)
Weight	78 kg
Size (L*W*H)	560*340*1130mm
Inbalance for Single-Phase Loads	100%
Power Factor and Range	± 1.0 adjustable
Battery DC voltage	48V
Depth of Discharge	90%
Operating Humidity(RH)	Up to 100% noncondensing
Operating Temperature	-10°C - 60°C / 14°F - 122°F
Storage Temperature	-20°C - 60°C / 4°F - 142°F
Maximum Altitude	2000m
Ingress Rating	IP 20SA485
Noise Level@1m	≤ 45 dBA at 30
Certificates	CE, MSDS, UN38.3, IEC60901
Mounting Options	Floor
Warranty	10 years
Packaging	Standard Export Carton With pallet

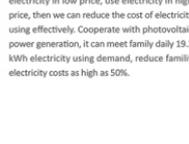
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5kw/9.6kwh Product — HJ-AI-0596



In the area where electricity price high, they collect electricity fee with price fluctuations rule. With photo voltaic power generation and our power storage system, people can store electricity in low price, use electricity in high price, then we can reduce the cost of electricity using effectively. Cooperate with photovoltaic power generation, it can meet family daily 9.6 kWh electricity using demand, reduce family electricity costs as high as 50%.

- Product Features:**
- Self-powered Home
 - Backup Power
 - Home energy control, Energy saving
 - New Energy ECO & Low Carbon
 - Smart Home Control
 - Excess Electricity Enables Transactions



Model	HJ-AI-0596
Feed-in Type	Single & Split-Phase
Output Voltage	110 / 220 vac (charge and discharge)
Storage Ability	9.6 kWh
Max Solar Input	4.8 kwip
PV Side Max. Input Voltage	145 VDC
MPPT Voltage	60-110 VDC
PV Charging Max Current (A)	80 A / 30 A
AC Charging Max Current (A)	16 A / 12 A
Charging time	1-3 Hours
Continuous Output Power	3 kw
Peak power	7 kw (discharge only)
Weight	130 kg
Size (L*W*H)	560*340*1130mm
Inbalance for Single-Phase Loads	100%
Power Factor and Range	± 1.0 adjustable
Battery DC voltage	48V
Depth of Discharge	90%
Operating Humidity(RH)	Up to 100% noncondensing
Operating Temperature	-10°C - 60°C / 14°F - 122°F
Storage Temperature	-20°C - 60°C / 4°F - 142°F
Maximum Altitude	2000m
Ingress Rating	IP 20SA485
Noise Level@1m	≤ 45 dBA at 30
Certificates	CE, MSDS, UN38.3, IEC60901
Mounting Options	Floor
Warranty	10 years
Packaging	Standard Export Carton With pallet

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5kw/14.4kwh Product — HJ-AI-05144



In the area where electricity price high, they collect electricity fee with price fluctuations rule. With photo voltaic power generation and our power storage system, people can store electricity in low price, use electricity in high price, then we can reduce the cost of electricity using effectively. Cooperate with photovoltaic power generation, it can meet family daily 14.4 kWh electricity using demand, reduce family electricity costs as high as 50%.

- Product Features:**
- Self-powered Home
 - Backup Power
 - Home energy control, Energy saving
 - New Energy ECO & Low Carbon
 - Smart Home Control
 - Excess Electricity Enables Transactions



Model	HJ-AI-05144
Feed-in Type	Single & Split-Phase
Output Voltage	110 / 220 vac (charge and discharge)
Storage Ability	14.4 kWh
Max Solar Input	4.8 kwip
PV Side Max. Input Voltage	145 VDC
MPPT Voltage	60-110 VDC
PV Charging Max Current (A)	80 A / 30 A
AC Charging Max Current (A)	16 A / 12 A
Charging time	1-3 Hours
Continuous Output Power	3 kw
Peak power	7 kw (discharge only)
Weight	178 kg
Size (L*W*H)	550*410*1145mm
Inbalance for Single-Phase Loads	100%
Power Factor and Range	± 1.0 adjustable
Battery DC voltage	48V
Depth of Discharge	90%
Operating Humidity(RH)	Up to 100% noncondensing
Operating Temperature	-10°C - 60°C / 14°F - 122°F
Storage Temperature	-20°C - 60°C / 4°F - 142°F
Maximum Altitude	2000m
Ingress Rating	IP 20SA485
Noise Level@1m	≤ 45 dBA at 30
Certificates	CE, MSDS, UN38.3, IEC60901
Mounting Options	Floor
Warranty	10 years
Packaging	Standard Export Carton With pallet

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10kw/19.2kwh Product — HJ-AI-10192



In the area where electricity price high, they collect electricity fee with price fluctuations rule. With photo voltaic power generation and our power storage system, people can store electricity in low price, use electricity in high price, then we can reduce the cost of electricity using effectively. Cooperate with photovoltaic power generation, it can meet family daily 19.2 kWh electricity using demand, reduce family electricity costs as high as 50%.

- Product Features:**
- Self-powered Home
 - Backup Power
 - Home energy control, Energy saving
 - New Energy ECO & Low Carbon
 - Smart Home Control
 - Excess Electricity Enables Transactions



Model	HJ-AI-10192
Feed-in Type	Single / Split / Three Phases
Output Voltage	230V / 400V Vac
Storage Ability	19.2kWh
Max Solar Input	13KWp
PV Side Max. Input Voltage	60V/450V/850V
MPPT Voltage	150V/850V
PV Charging Max Current (A)	36.2A / 38.5A
AC Charging Max Current (A)	36.2A / 38.5A
Charging time	2-4 Hours
Continuous Output Power	10kw
Peak power	20kw (discharge only)
Weight	450kg
Size (L*W*H)	1160*500*2050mm
Inbalance for Single-Phase Loads	100%
Power Factor and Range	± 1.0 adjustable
Battery DC voltage	48V
Depth of Discharge	90%
Operating Humidity(RH)	Up to 100% noncondensing
Operating Temperature	-10°C - 60°C / 14°F - 122°F
Storage Temperature	-20°C - 60°C / 4°F - 142°F
Maximum Altitude	2000m
Ingress Rating	IP 20SA485
Noise Level@1m	≤ 45 dBA at 30
Certificates	CE, MSDS, UN38.3, IEC60901
Mounting Options	Floor
Warranty	10 years
Packaging	Standard Export Carton With pallet

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20kw/40.9kwh Product — HJ-AI-20409



In the area where electricity price high, they collect electricity fee with price fluctuations rule. With photo voltaic power generation and our power storage system, people can store electricity in low price, use electricity in high price, then we can reduce the cost of electricity using effectively. Cooperate with photovoltaic power generation, it can meet family daily 40.9 kWh electricity using demand, reduce family electricity costs as high as 50%.

- Product Features:**
- Self-powered Home
 - Backup Power
 - Home energy control, Energy saving
 - New Energy ECO & Low Carbon
 - Smart Home Control
 - Excess Electricity Enables Transactions



Model	HJ-AI-20409
Feed-in Type	Single / Split / Three Phases
Output Voltage	230V/400V Vac
Storage Ability	40.9kWh
Max Solar Input	13KWp
PV Side Max. Input Voltage	60V/450V/850V
MPPT Voltage	150V/850V
PV Charging Max Current (A)	36.2A / 38.5A
AC Charging Max Current (A)	36.2A / 38.5A
Charging time	2-4 Hours
Continuous Output Power	10kw
Peak power	20kw (discharge only)
Weight	850kg
Size (L*W*H)	1160*500*2050mm
Inbalance for Single-Phase Loads	100%
Power Factor and Range	± 1.0 adjustable
Battery DC voltage	48V
Depth of Discharge	90%
Operating Humidity(RH)	Up to 100% noncondensing
Operating Temperature	-10°C - 60°C / 14°F -