

ENERGY STORAGE SYSTEM -IHE SERIES

FOR ON-GRID



Industrial Energy Storage System

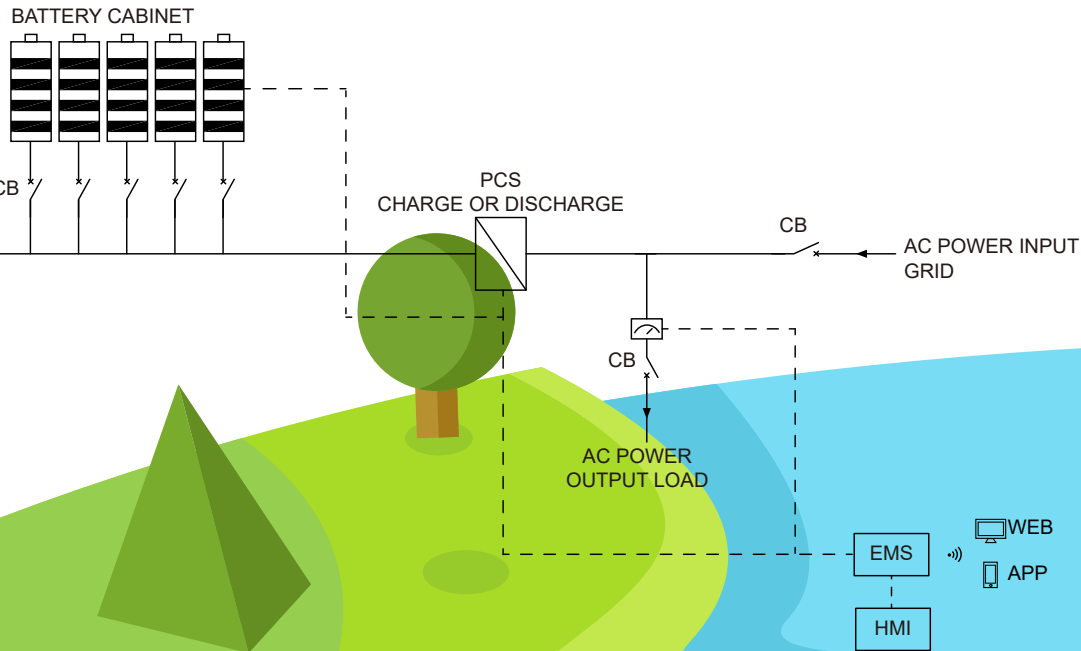
- Independent power
- Battery energy storage
- Pulg and charging
- Power grid input interface
- Pulg and play
- Diesel power input interface
- Large capacity energy
- Solar/wind power generation

Energy Storage System

IHE Series Industrial Energy Storage System

IHE series industrial energy storage system is a battery energy storage system for leasing, construction, port, mining, events, emergency, ship power supply, and on-grid applicaiton scenarios, with highly integrated, ultra-high energy density, flexible configuration and other characteristics, can provide users with independent power or energy-saving and environmentally friendly efficient energy products.

SEPCIFICATION	IHE200	IHE400	IHE900	IHE1350
OUTPUT POWER (kWe)	200	400	900	1350
OUTPUT VOLTAGE (V)	400/415			
BATT. CAPACITY (kWh)	416	832	2080	2912



Energy Storage System

IHE Series Application Scenario

- WIND POWER SITE
- SOLAR POWER SITE
- LARGE-SCALE FACTORY
- GRID-SIDE POWER SUPPLY

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Document

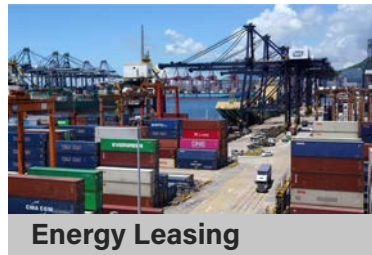
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Tower crane-provides emergency power



Factory-independent power supply,
lower electricity bills



Grid-side power supply-peak shaving



Industrial site-independent power supply

Energy Storage System

IHE series products

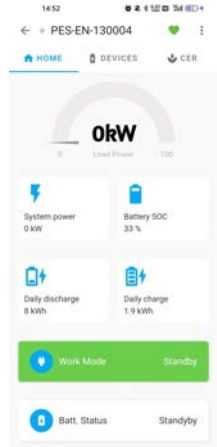
iCloud Management

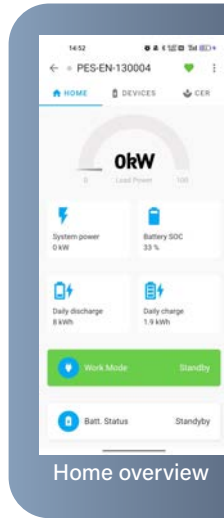
Cloud monitoring



CLOUD platform

Login





Home overview



Devices page



Benefits page

The client monitors the system data and operation status in real-time



Automatically generate detailed reports on system performance, energy saving and emission reduction, return on investment

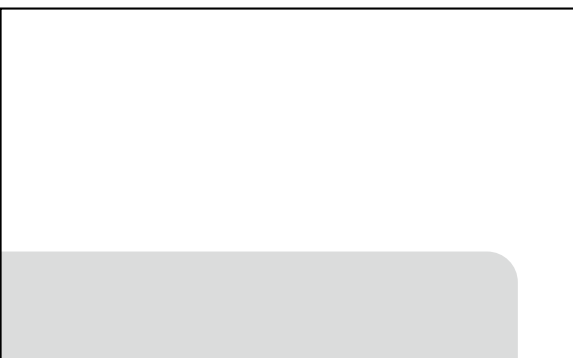


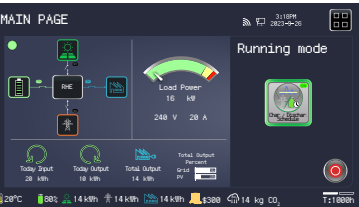
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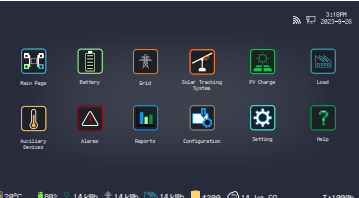
EMS Management

Local monitoring

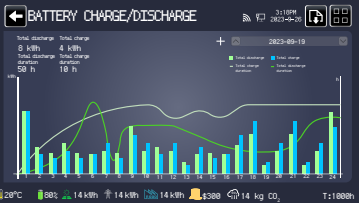




HMI main page

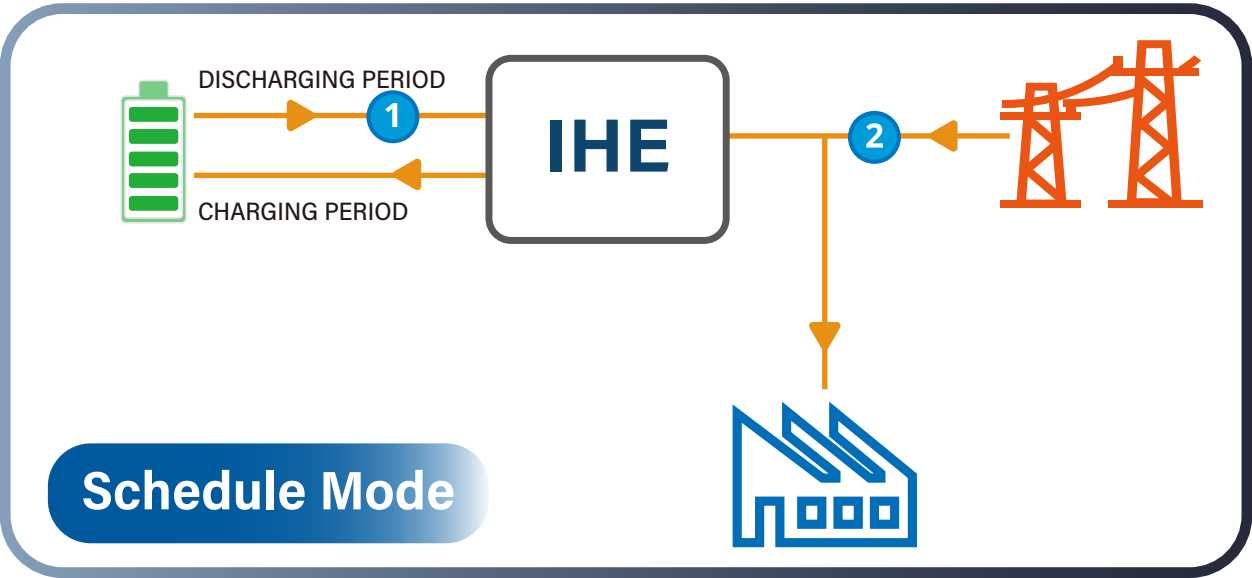


Menu page



Data reports



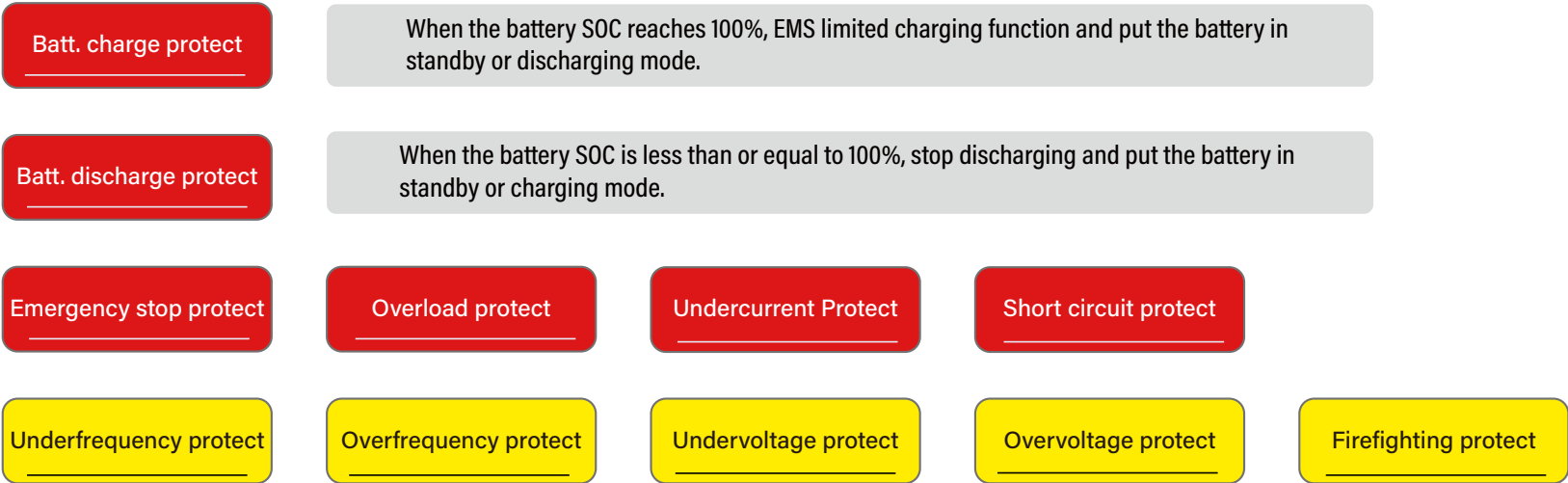


NOTE: 1 2 represents the priority of charge/discharge.

Energy Storage System

IHE series products

Protection Strategy



Firefighting System

- Argon-driven
- Water-based fire extinguishing agent
- Rapid fire extinguishing
- Environmental protection



Cooling System

- Quick cooling
- Maintain constant temperature



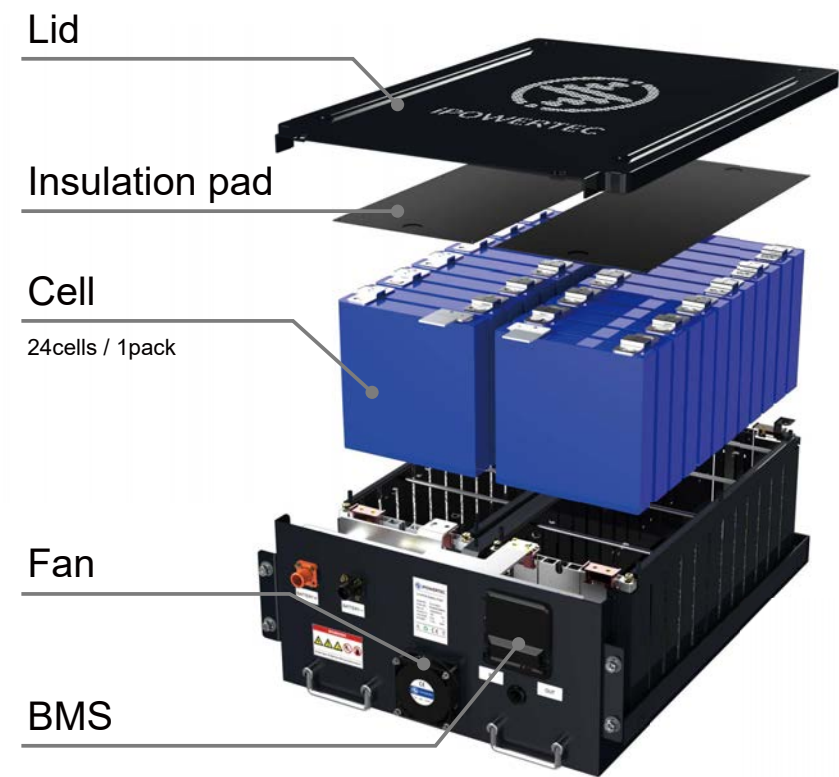
Warranty Statement

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Unit (Excluding battery module)
-2 years



Battery module
-5 years



Energy Storage System

IHE series products

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- Large capacity energy storage system, suitable for peaking regulation, frequency modulation, etc., The output power range is 200-1350kWe.
- Adopts split battery cabinet and PCS cabinet, modular design, freely combinable, quick combination put into use.
- BMS system adopts three-level management architecture such as battery stack, battery cluster and battery pack, with a total capacity of 416-2912kWh.
- Voltage output of 400/415V, expandable to 6300V/10500V...
- EMS intelligent management system, which provides real-time monitoring and scheduling for BMS system, PCS system, etc., and can be operated through local HMI or remote APP & WEB interfaces.
- The entire unit has insulation on all four sides and the top, with a top insulation thickness of 100mm.
- The protection level of the entire unit is IP54, which is suitable for harsh environment.
- The power output panel is equipped with quick socket, wiring copper bar, etc., plug and play.
- The bottom of the container is equipped with forklift holes, which is easy to move frequently and put into use quickly.

Energy Storage System

IHE series products

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	UK	AMERICA	AUSTRALIA
IHE SYSTEM	✓ UN 38.3 ● IEC 62477 ● EN 61000-6-1/2/3/4 ● 2011/65/EU 2015/863/EU ● 1907/2006/EC ● IEC/EN 60529	✓ UN 38.3 ● UL 1973 ● UL 9540 ● UL 9540A ● Part15B	✓ UN 38.3 ● IEC 62619 ● IEC 60730 ● IEC 62040 ● AS/NZS 61000-6-3 ● AS/NZS 61000-6-4
ON-GRID	✓ G99	● UL1741 ● IEEE 1547	● CEC List ✓ AS4777.2
BATTERY PACK	● IEC 62619 ● IEC 60730 ● IEC 63056	● UL 9540A ● UL 1973	● IEC 62619 ● IEC 60730
BATTERY CELL	✓ IEC 62133	✓ UL 1642	✓ AS/NZS 62133 ✓ IEC 62619

NOTE: ✓ Certified
● Certificate application in progress