

DAWNICE CREATE A BETTER FUTURE

# ENERGY STORAGE BATTERY



Tel/WhatsApp

+86 183 0705 6657

Email

isabella@dawnice.com

Website

<https://www.energydawnice.com/>

WhatsApp



Wechat



Yichun Dawnice Manufacture and Trade Co., Ltd.

Our,ESS and EV lithium batteries,including residential energy storage batteries,commercial and industrial energy storage batteries

# About Dawnice

Yichun Dawnice Manufacture and Trade Co., Ltd. established in 2021, with 14 years experienced team in lithium battery research and development production. Production line is located in Yichun City, Jiangxi province, the "lithium capital" of Asia. After three years of development, DAWNICE has become a well-known new energy enterprise in Jiangxi ;

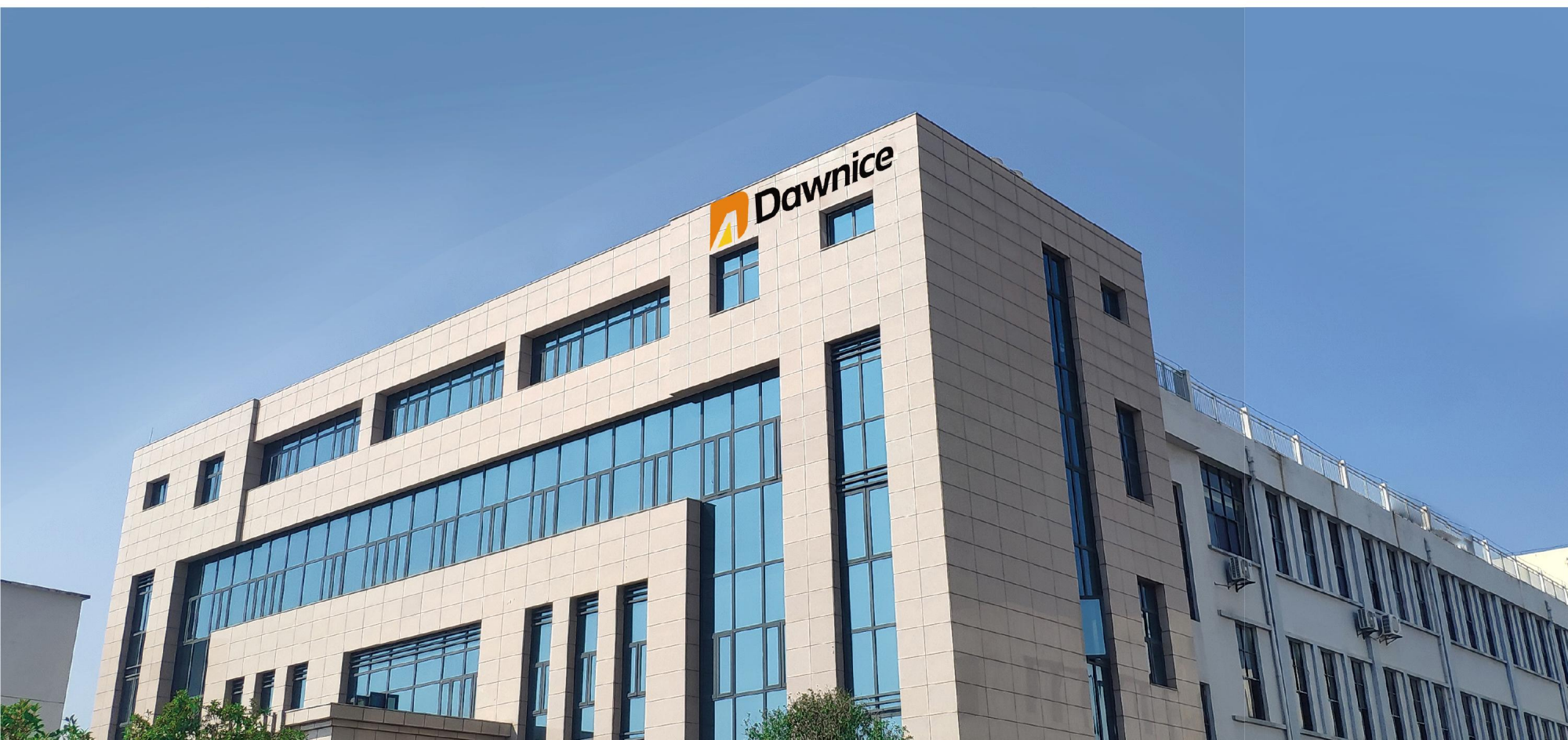
2GW Annual production capacity

Customers cover 35 countries in 2022

Sales and after-sales service have been established in Europe, America, Southeast Asia.

## Qualification certificate

DAWNICE owns more than 10 patents and many international certification, such as TUV, UL (processing), CE, MSDS, UN38.3, etc



## Main Business:

ESS & EV lithium battery design ,development ,manufacturing

Including Residential Energy Storage Battery ,Commercial&Industry Energy Storage Battery.

Mission: To Strive forward No Energy Waste

Vision: To Be the World Widest Energy Storage Service Provider

Value: Action, Innovation, To be the Best, Win-win.

Slogan.Trusty , Efficiency , Responsibility and Reliability .



## High voltage system charge and discharge tester

High voltage 0~1500v detection, high power test

## Low voltage household storage system charge and discharge tester

Detect battery low-voltage environment to ensure battery safety and stability



## Our production

The full production team has more than 5 years of production experience, with an annual production of 2GWH, which can achieve no re-production; automatic welding technology, accept a variety of battery cells type, realize various requirements for customer ,Each product is insured for 1 million insurance to ensure safe use for 15 years



## Module stacking module extrusion

Ensure that there is module pre-tightening force inside the battery core of the module to ensure stability and extend life.

# HZ-ESSH-S

High Voltage System



## Link Supports

Supports wifi, Bluetooth, remote monitoring, diagnosis and upgrade

## IP54 Rating

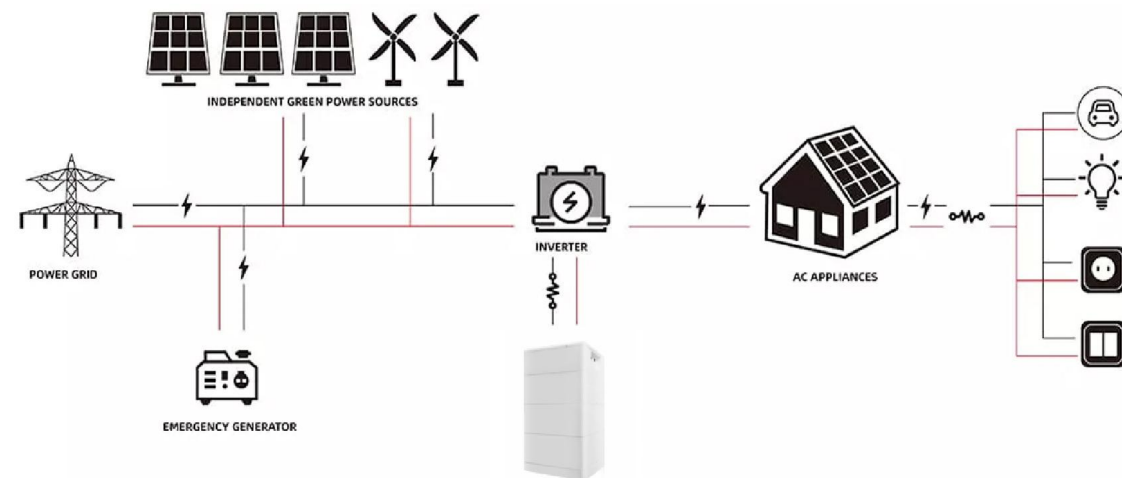
They live for more than 15 years at +25°C

## Modular design

Highly modular design to meet different capacity demands

## Performance Specifications

Model	HZ-ESS10H-S5	HZ-ESS20H-S5	HZ-ESS30H-S5	HZ-ESS20H-S10	HZ-ESS40H-S10	HZ-ESS60H-S10
Battery Type	LifePo4					
Number Of Models	2	4	6	2	4	6
Nominal Voltage	102.4V	204.8V	307.2V	102.4V	204.8V	307.2V
Voltage Range(Vdc)	80-116.8V	160-233.6V	240-350.4V	80-116.8V	160-233.6V	240-350.4V
Scalability	Up to 6 parallel					
Capacity(Ah)	102AH			206AH		
Rated Energy(KWH)	10.44KWH	20.89KWH	31.33KWH	21.09KWH	42.19KWH	63.28KWH
Protection	BMS, Breaker					
Max. Charge/Discharge Current(A)	50A			100A		
IP Grade	ip54					
Communication	RS232-PC,RS485(B)-BAT RS485(A)-Inverter,Canbus-Inverter					
Cycle Life	≥6000cycles@25°C,90%DOD					
Design Life	≥15 Years(25°C)					



# HZ-ESS-P

Residential Battery Storage System

## Support for custom

Optimal management Support for parallel  
Support for custom

## High operational reliability

They live for more than 15 years at  
+25°C, With LCD real-time monitoring

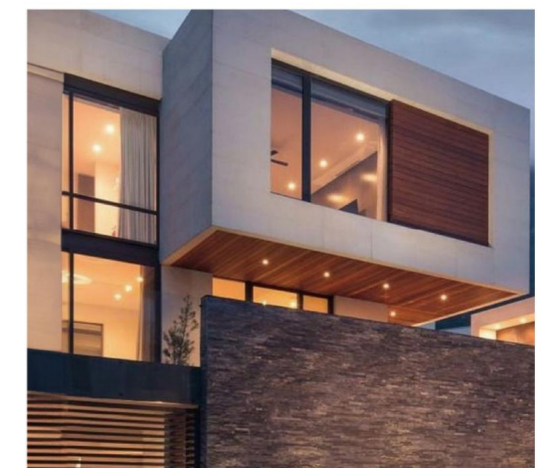
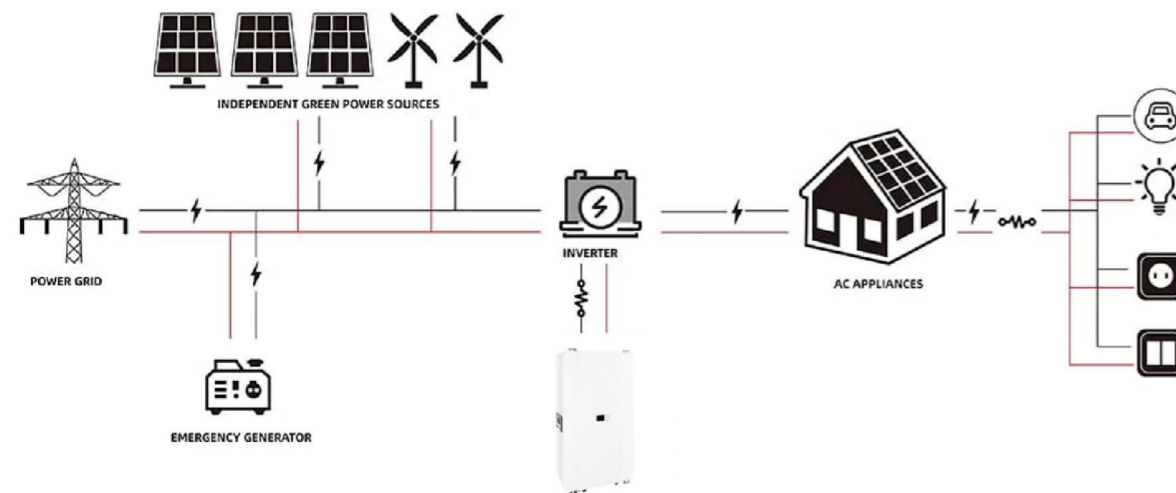
## CAN/RS485

Communication Support global mainstream  
inverters



## Performance Specifications

Model Number	HZ-ESS5-P	HZ-ESS10-P	HZ-ESS15-P
Nominal Voltage	51.2V	51.2V	51.2V
Operating Temperature(°C)	Charge:-10°C ~50°C; Discharge: -20°C ~50°C		
Capacity(Ah)	102AH	206AH	280AH
Rated Energy(KWH)	5.22KWH	10.55KWH	14.33KWH
Max. Charge/Discharge Current(A)	100A	100A	140A
Voltage Range(Vdc)	47.2-56.8V	47.2-56.8V	47.2-56.8V
Communication	RS232-PC,RS485(B)-BAT RS485(A)-Inverter,Canbus-Inverter		
Cycle Life	≥6000cycles@25°C,90%DOD		
Design Life	≥15 Years(25°C)		
Weight(Approx)(KG)	65kg	110kg	150kg
Dimension (W/D/H)(mm)	430x240x690mm	460x440x770mm	550x460x890mm
Installation Mode	Wall-mounted		
IP Grade	Ip31		



# HZ-ESSH-R

High Voltage System

## Link Supports

Supports wifi, Bluetooth, remote monitoring, diagnosis and upgrade

## IP55 Rating

They live for more than 10 years at +25°C

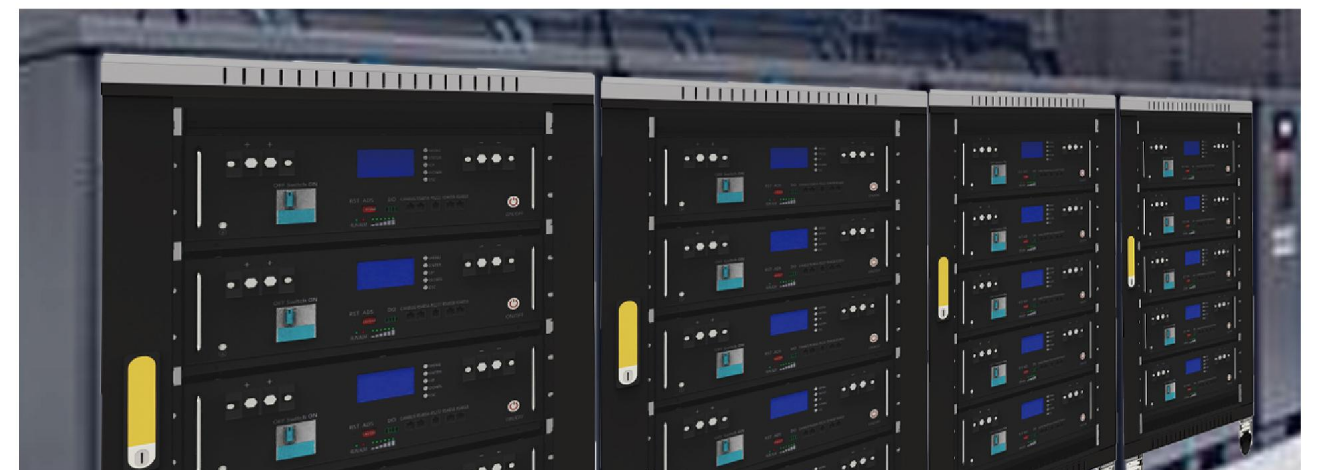
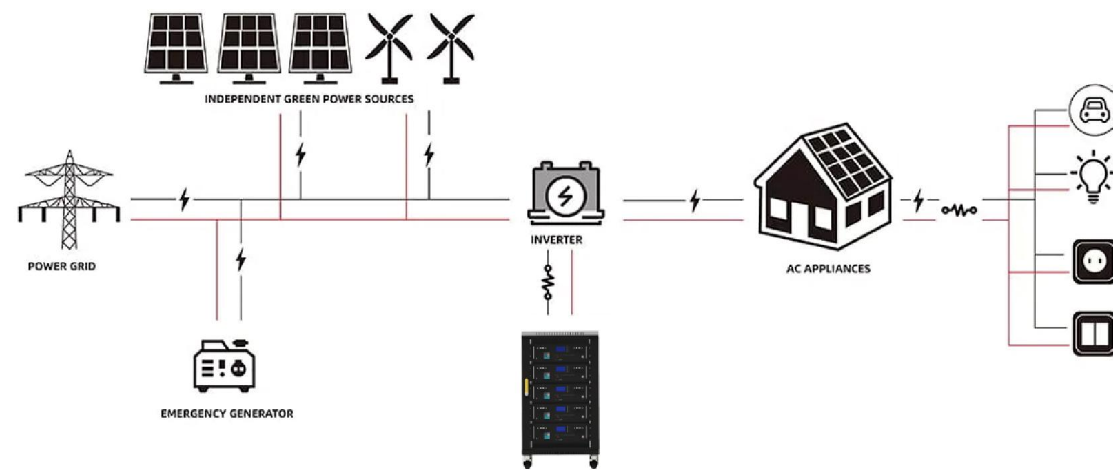
## Modular design

Highly modular design to meet different capacity demands



## Performance Specifications

Model Number	HZ-ESS20H-R10 HZ-ESS40H-R10 HZ-ESS60H-R10 HZ-ESS30H-R15 HZ-ESS60H-R15 HZ-ESS90H-R15					
Battery Type	LifePo4					
Number Of Models	2	4	6	2	4	6
Nominal Voltage	102.4V	204.8V	307.2V	102.4V	204.8V	307.2V
Voltage Range(Vdc)	80-116.8V	160-233.6V	240-350.4V	80-116.8V	160-233.6V	240-350.4V
Capacity(Ah)	206AH			280AH		
Rated Energy(KWH)	21.09KWH	42.19KWH	63.28KWH	28.67KWH	57.34KWH	86.02KWH
Max. Charge/Discharge Current(A)	100A			140A		
Scalability	Up to 6 parallel					
Communication	RS232-PC,RS485(B)-BAT RS485(A)-Inverter,Canbus-Inverter					
Cycle Life	≥6000cycles@25°C, 90%DOD					
Design Life	≥15 Years(25°C)					



# HZ-ESS100-800

Commercial&Industry Energy Storage System

Simple structure

High operational reliability

0.5C charge&discharge rate

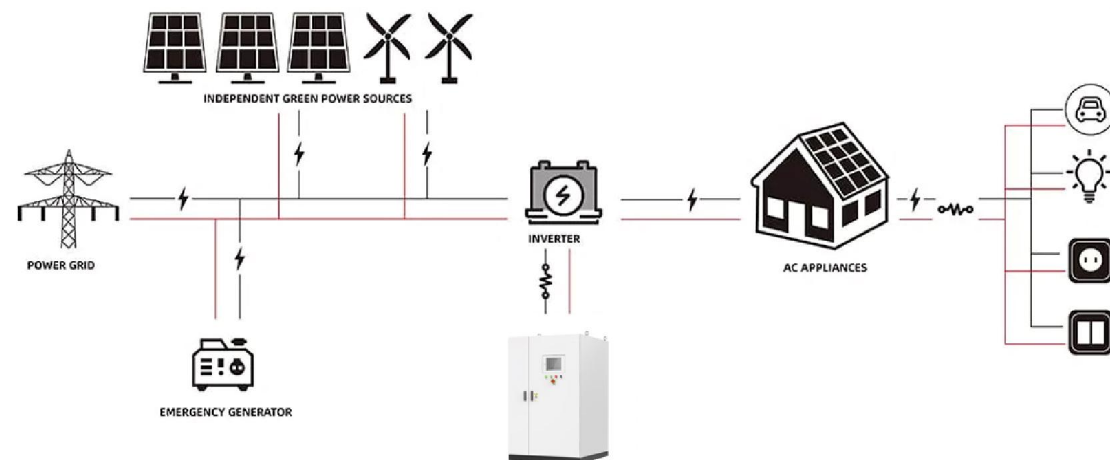
Outdoor use

Modular design



## Performance Specifications

Model	DW-ESS-200	DW-ESS-400	DW-ESS-600	DW-ESS-800
BATTERY(DC)				
Nominal Voltage	716.8V	716.8V	716.8V	716.8V
Capacity(Ah)	280AH	560AH	840AH	1120AH
Rated Energy[KWH]	200.7KWh	401.4KWh	602.1KWh	802.8KWh
Cycle Life	≥6000			
PVINPUT(DC)				
Recommend PV input power	100KW	200KW	300KW	400KW
Weight(kg)	2000	3980	5860	7620
MPPT Voltage range	500V-1000V			
AC				
Rated AC output power	100KW	200KW	300KW	400KW
Output overload capacity	110KW	220KW	330KW	440KW
Rated AC voltage	380V / 440V/ 400V,3W+N+PE/3W+PE			
AC voltage range	±20%			



# Project in Site



Commercial&Industry energy storage system



Residential energy storage system



# Enterprise member

