



星能链
elechain

-- By Haier Energy

Elechain (Jiangsu) Energy Technology Co.,Ltd
Aug/2025

聚星成链 共创无限可能

28th/May 2025, Haier Energy and ELEC signed a strategic merger and acquisition agreement in Qingdao.

1. Haier Energy Acquiring 51% equity of ELEC, ELEC becomes a subsidiary of Haier Energy,
2. ELEC has become the global R&D center of Haier energy platform.



品牌介绍 Brand Introduction

海尔新能源

海尔新能源 Haier Energy

数智化分布式智慧清洁能源解决方案服务商
Service provider of digitalized distributed smart clean energy solutions

海尔新能源，聚焦于分布式绿能、用户侧储能、智慧能源控制器三大产业，通过软硬件智能化集成，为家庭及工商业用户提供智慧清洁能源解决方案，致力于成为数智化分布式智慧清洁能源解决方案服务商的引领者。

Haier Energy focuses on three major industries: distributed green energy, user side energy storage, and smart energy controllers. Through intelligent integration of software and hardware, it provides smart clean energy solutions for households and industrial and commercial users, and is committed to becoming a leader in digital distributed smart clean energy solution service providers.



引领绿色发展 共筑生态文明

To Pioneer Green Progress and Foster an Ecological Civilization

海尔新能源积极履行企业社会责任，深入推动绿色低碳循环发展，助力“碳达峰、碳中和”落地，努力成为绿色发展的引领者，争做生态文明建设的主力军，树立全社会可持续发展的典范，为建设美丽中国贡献“海尔力量”。

Haier Renewable Energy is committed to its corporate social responsibility, vigorously advancing green, low-carbon and circular development strategies to support the achievement of "carbon peak" and "carbon neutrality" goals. We aspire to be at the forefront of green evolution, endeavoring to be a pivotal force in the construction of an ecological civilization and establishing a benchmark for sustainable development. We pledge our "Haier Power" to the vision of a more beautiful China.

星能链 Elechain

在全球绿色能源的发展之路上，聚星成链，共创无限可能。

On the path of global green energy development, gathering stars into a chain, creating infinite possibilities together.

星能链（江苏）能源科技有限公司专注于风、光、储等新能源领域关键设备的创新研发、智能制造和系统集成。

Elechain (Jiangsu) Energy Technology Co., Ltd. focuses on innovative research and development, intelligent manufacturing, and system integration of key equipment in new energy fields such as wind, solar, and energy storage.

公司已形成光储充一体全系统的新能源解决方案，支持大型储能电站、工商业和用户储能等多种场景，满足客户多样化需求。

The company has developed a new energy solution that integrates Photovoltaic Storage Charging, supporting various scenarios such as large-scale energy storage power stations, industrial and commercial, and household energy storage, to meet the diverse needs of customers.



The image shows three overlapping certification certificates. The top one is an Environmental Management System Certificate (环境管理体系认证证书) issued by NGV, number 05322E3010R005, for Elechain (Jiangsu) Energy Technology Co., Ltd. The middle one is an Occupational Health and Safety Management System Certificate (职业健康安全管理体系认证证书) issued by NGV, number 05325S3029R005, for the same company. The bottom one is a Quality Management System Certificate (质量管理体系认证证书) issued by NGV, number 05324Q3009R005, for the same company. All certificates mention the company's focus on power electronics R&D and manufacturing.

高新技术企业证书

企业名称: 星能链(江苏)能源科技有限公司
证书编号: GR202432010035

发证时间: 2024年12月16日
有效期: 三年

批准机关:

ELEC: Trying to be a world-class provider of new energy solutions

Professional Team	<ul style="list-style-type: none">• A Strong R&D Team, Dr. Hu Bin, Zhou Hao, Qu Kevin• Focusing on product research and innovation
Product&Solution	<ul style="list-style-type: none">• Grid-Forming MW PCS for Centralized Energy Storage System• PCSs for Industrial and Commercial Field• Residential Hybrid PCSs• Grid-Forming Power Inverters• Distributed Energy Storage System, All-In-One Integrated Cabinet• Energy Storage Box• EMS、 Smart Grid, Involved BMS&PCS• Total Solution, System Integration for New Energy Field

3 Professional R&D Team



Founder: Dr. Hu Bing
Postdoctoral fellow at UNB University in Canada
Former Vice President of Sungrow Company
2020 Talents in Jiangsu Province (Innovation Category)



VP: Dr. Zhou Hao
Postdoctoral fellow at Beijing Jiaotong University
20+experience in R&D of optical storage control equipment
Formerly worked at Sungrow Company, China Yingli,
R&D supervisor of a well-known new energy enterprise



CTO: Dr. Qu
PhD at Beijing Jiaotong University
Master from Tongji University
With Over 20 years of experience in R&D of inverters, PCSs
Previously Studied at LEED University in the UK



R&D Director: Hu Hao
PhD in Power Electronics from Tongji University
15+experience in algorithm and software development
Lead the R&D of high-power frequency conversion device



CEO: Wang Xijian
Master in Power System Automation from Tongji University
20+experience in GE's digital energy
Former Expert of State Grid Investment Corporation



Engineering&Tech Center Director: Huang Bin
Huazhong University of Science and Technology
-First level Construction Engineer
-Intermediate Engineer
-20+engineering and technical experience in power and photovoltaic storage system

Object	Product Type	Product Model	Power Level	Status
PCSs for Industrial and Commercial Use	String PCS	EC0200	200kW	Certification in progress
	String PCS	EC0125	125kW	Certified
	String PCS	EC0100/EC0075	100kW/75kW	Certified
	String PCS	EC0050/EC0040/EC0030	50kW/40kW/30kW	Certified
PCSs for Centralized Energy Storage Power Station	Centralized PCS	EC2500	2500kW	Certification in progress
	Centralized PCS	EC1725/EC1500/EC1250	1725kW/1500kW/1250kW	Certified
Grid-Forming Microgrid System	Hybrid PCS	EC0050-Hybrid	50kW	Certification in progress
Residential Hybrid PCSs for Residential Use	Hybrid PCS	EC0006-EU	3.6~6KW	Certified
	Hybrid PCS	EC0010-EU	7~10KW	Certified
	Hybrid PCS	EC0006-US	3.6~6KW	Certification in progress
	Hybrid PCS	EC0010-US	8~10KW	Certification in progress
Inverters for Photovoltaic system	String Inverter	EC0350/EC0400	350kW/400kW	Under Development

Application Field	Product Type	Product Model	Power Level	Status
All-In-One (Energy storage Cabinets) for Industrial and Commercial Use	Outdoor Integrated System-Cabinet	EC0233KWH-0100K	125KW/261KWh	On-Sale
	Outdoor Integrated System-Cabinet	EC0093KWH-0050K	50KW/93KWh	On-Sale
	Outdoor Integrated System-Cabinet	EC0372KWH-0200K	200KW/372KWh	On-Sale
	Outdoor Integrated System-Cabinet	EC0418KWH-0215K	215KW/418KWh	On-Sale
	Outdoor Integrated PCS-Cabinet	EC0600KL	600KW	On-Sale
PCSs and Transformer Intergrated Cabinet for Centralized Energy Storage Power Station	Outdoor Integrated System-Cabinet	EC1725KW*2+T3450KVA	3450kW	On-Sale
	Outdoor Integrated System-Cabinet	EC1500KW*2+T3000KVA	3000kW	On-Sale
	Outdoor Integrated System-Cabinet	EC1250KW*2+T2500KVA	2500kW	On-Sale
All-In-One(Energy storage Cabinets) for Residential Use	50KW Hybrid Integrated System-Cabinet	EC0050 (Interface: PV+Battery+Diesel Generator+Load+Grid)	50kW/100KWh	Testing
	10KW Hybrid Integrated System-Cabinet	EC0010 (Interface: PV+Battery+Diesel Generator+Load+Grid)	10kW/20KWh	On-Sale
	6KW Hybrid Integrated System-Cabinet	EC0006 (Interface: PV+Battery+Diesel Generator+Load+Grid)	6kW/10KWh	On-Sale

Under R&D Products: 12KW-US Hybrid Inverter (Pubilshed by Dec/2025)
 16~20KW LV 3-Phase Hybrid Inverter (Pubilshed by Dec/2025)
 50KW Hybrid Inverter (Pubilshed by Oct/2025)
 125KW Hybrid Inverter (Pubilshed by Apr/2026)

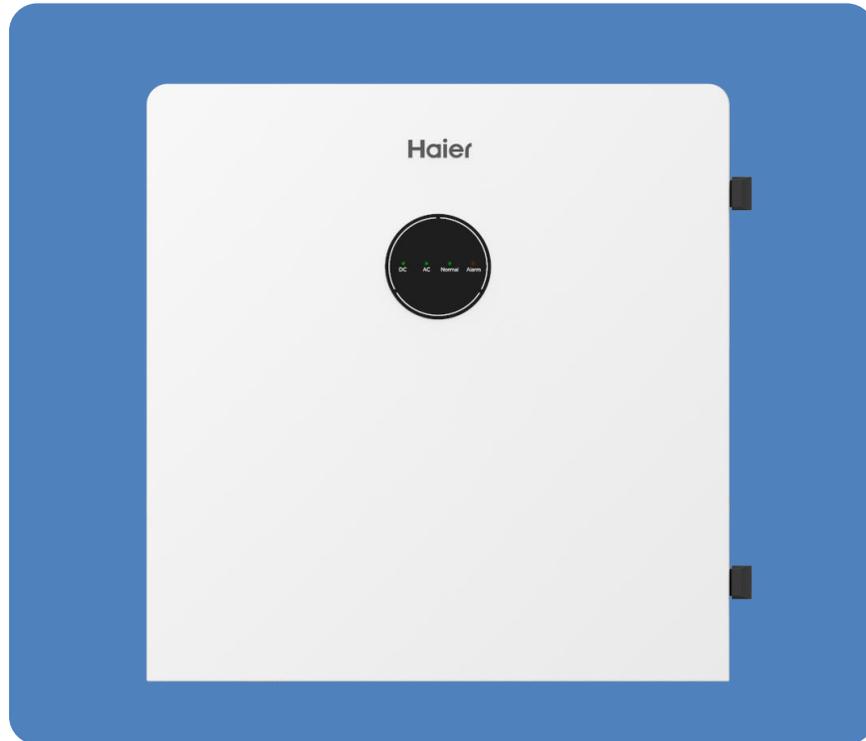
6.1 3.6~6KW Hybrid Inverter Serials

EC0003.6-EC0006 involved the power level of 3.6KW/6KW

-- Single-Phase

-- 48VDC

-- Residential Hybrid Inverter for 240VAC and 120VAC



3.6~6KW Hybrid Inverter (US)

- Support Max. 6pcs parallel
- Support diesel generator connection
- Max. charging/discharging current of 120A
- IP65 protection degree
- Smart cooling, <30dB Class I
- Support remote control/ change settings without internet

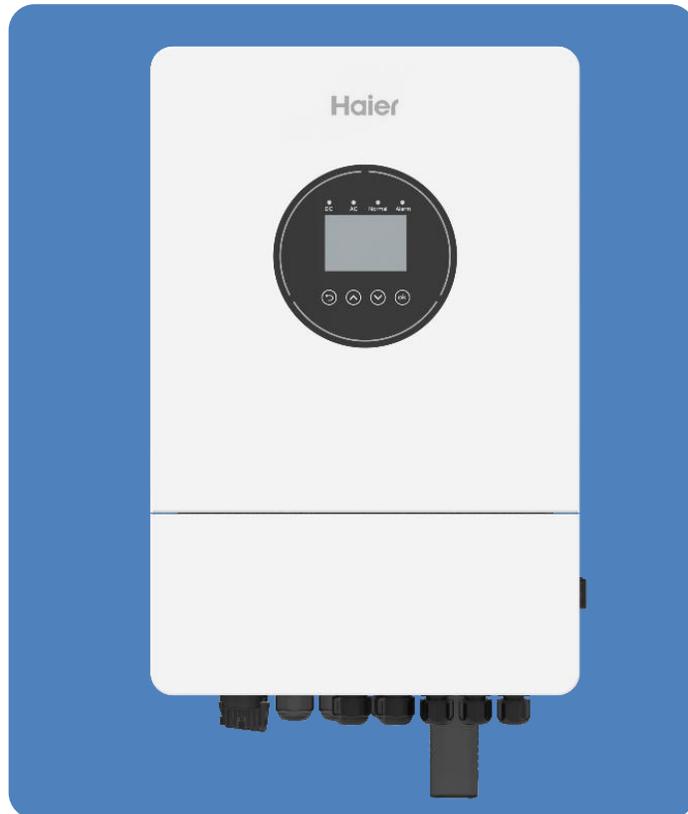
6.2 8~10KW Hybrid Inverter Serials

EC0008-EC0010 involved the power level of 7.6KW/10KW

-- Single-Phase

-- 48VDC

-- Residential Hybrid Inverter for 240VAC and 120VAC



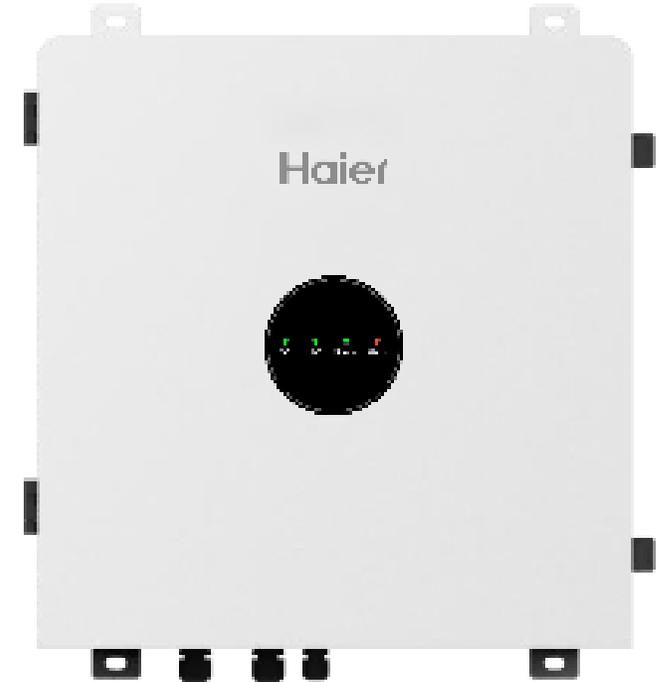
- Support Max. 6pcs parallel
- Support diesel generator connection(Optional)
- Max. charging/discharging current of 200A
- IP65 protection degree
- Smart cooling, <30dB Class I
- Support remote control/ change settings without internet
- Flexible Configuration, Capable of charging and discharging for at least 6 time periods per day

8~10KW Hybrid Inverter (US)

6.3 Outdoor All-in-one Machine for Residential Energy Storage - US

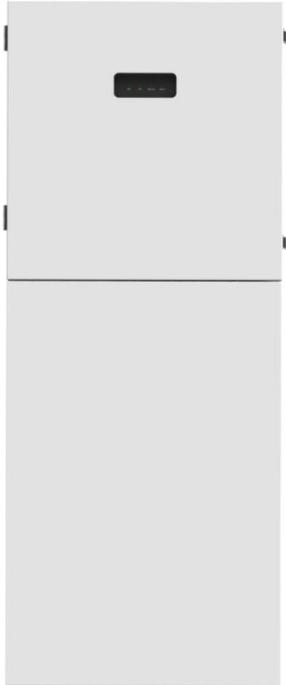


6KW/10KWH Outdoor All-in-one Machine



3.6~6KW Hybrid Inverter (US)

6.4 ELEC VS TESLA



ELEC-1



ELEC-1



PW-3



PW-2



PW-1

6.5 Outdoor Split Inverter for Residential Energy Storage - US

PV Panel

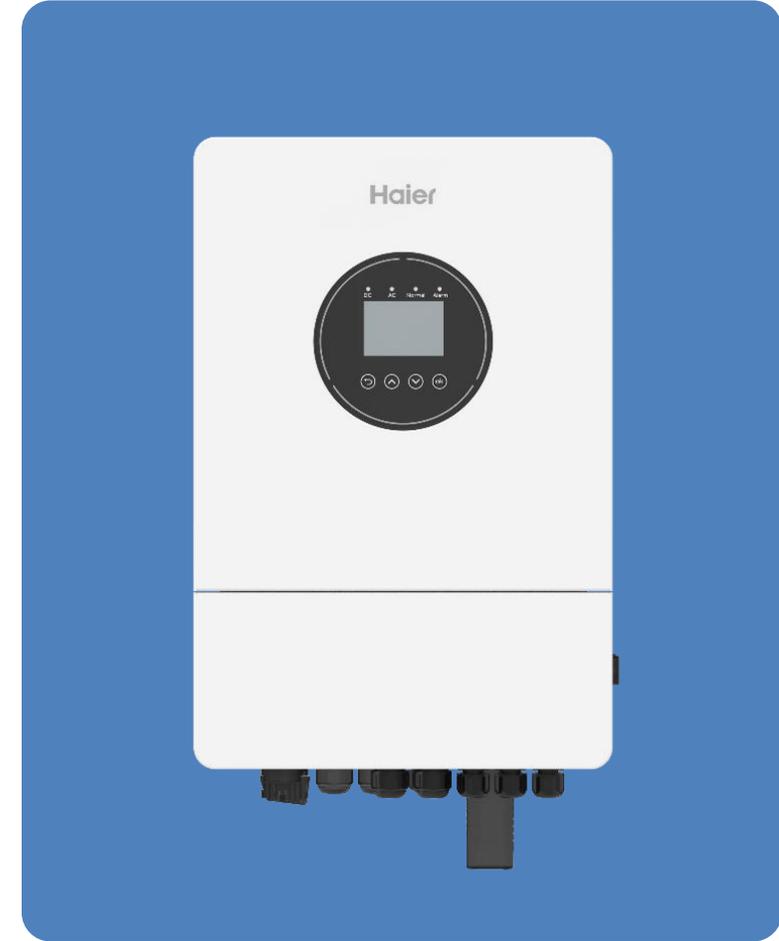


10KW Hybrid Inverter

10KWH Pack

10KWH Pack

10KW/20KWH Outdoor Split Inverter System



8~10KW Hybrid Inverter (US)

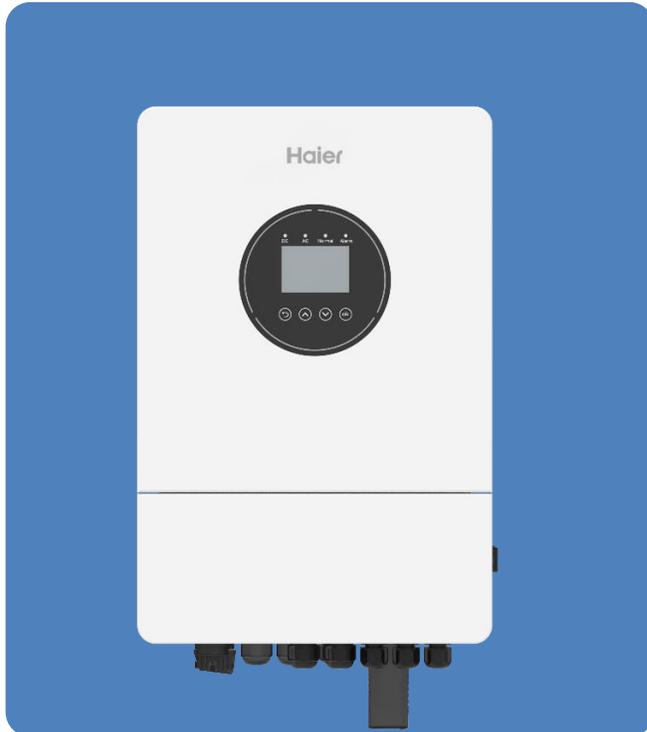
7.1 Hybrid PCS Serials

EC0003.6-EC0006 involved the power level of 3.6KW/6KW

-- Single-Phase

-- 48VDC

-- Residential Hybrid PCS



3.6~6KW Hybrid Inverter (EU)

- Support Max. 6pcs parallel
- Support diesel generator connection
- Max. charging/discharging current of 120A
- IP65 protection degree
- Smart cooling, <30dB Class I
- Support remote control/ change settings without internet

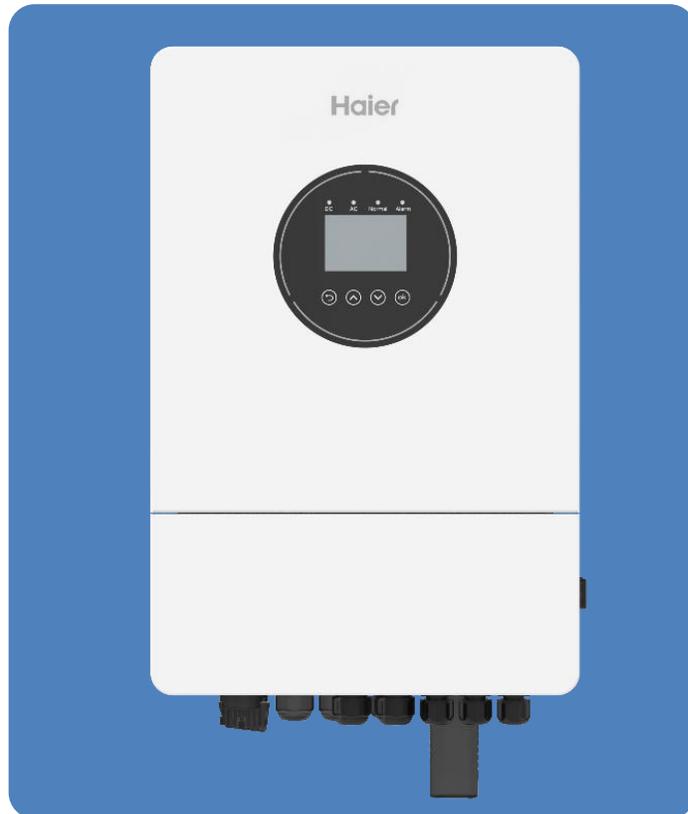
7.2 Hybrid PCS Serials

EC0008-EC0010 involved the power level of 8KW/10KW

-- Single-Phase

-- 48VDC

-- Residential Hybrid PCS



8~10KW Hybrid Inverter (EU)

- Support Max. 16pcs parallel
- Support diesel generator connection
- Max. charging/discharging current of 200A
- IP65 protection degree
- Smart cooling, <30dB Class I
- Support remote control/ change settings without internet
- Flexible Configuration, Capable of charging and discharging for at least 6 time periods per day

7.3 Typical Solution for Residential Energy Storage - EU



6KW/10KWH-Vertical



6KW/20KWH-horizontal



Hybrid Stack ES

7.4 Typical Solution for Residential Energy Storage – With Semi-solid Battery



6KW/10KWH

With Liquid Battery
液态锂电池



6KW/5KWH



6KW/10KWH

With Semi-Solid Battery
固态锂电池

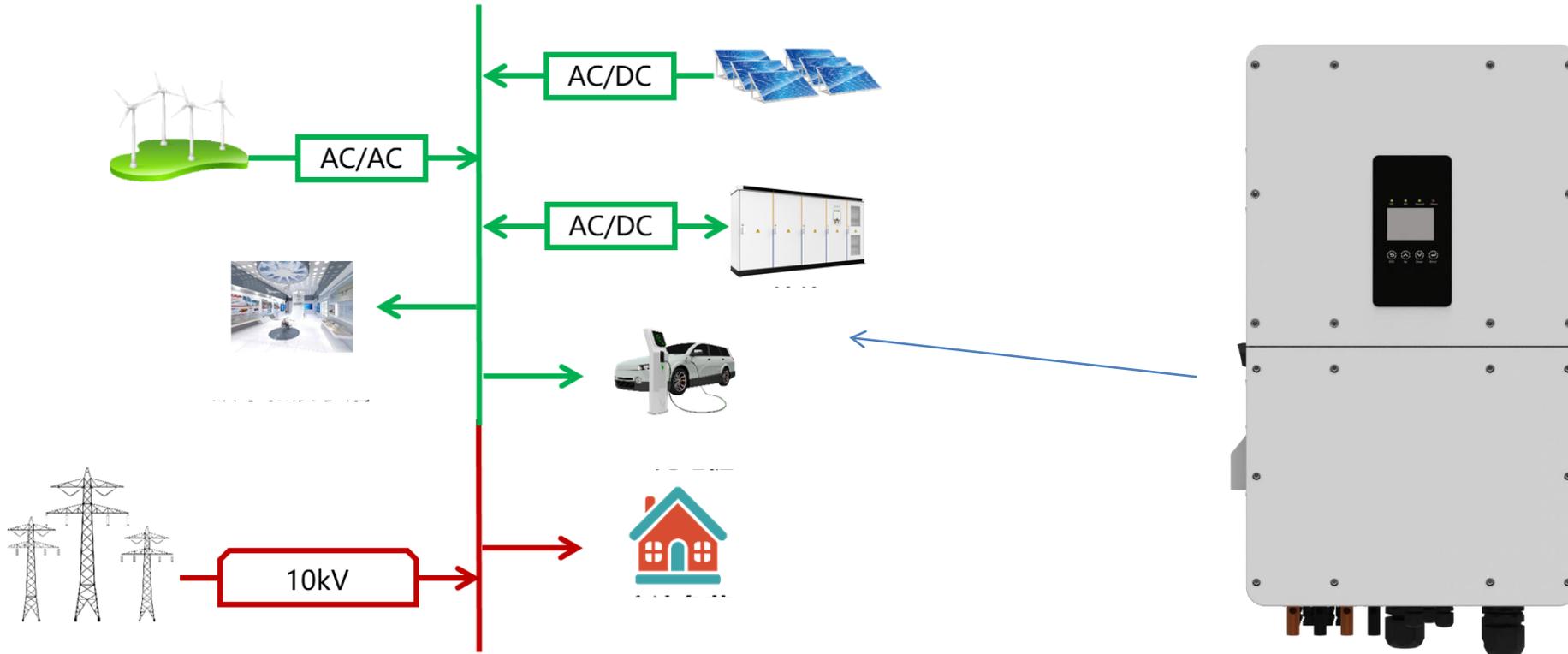


6KW/5KWH

Benefits

- Safety -- Reliable guarantee of user safety
- Volume: reduced by 20%
- Weight: Reduced by 30%

50KW Hybrid PCS (Smart Micro-Grid Controller,

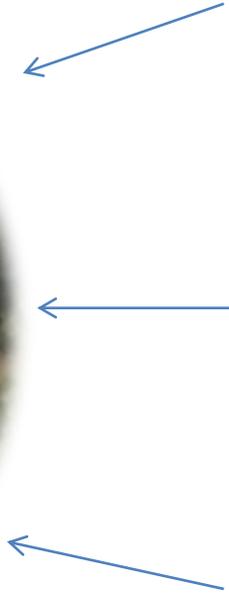


ELEC Smart Micro-Grid Solution

**ELEC 50KW PCS Serials
(Smart Controller)**

Energy Storage Power Station

ELEC Total Solution



9.1 PCS Serials

EC1725/EC1500/EC1250, involved the power level of 1725/1500/1250KW

-- For Centralized Energy Storage Power Station

-- Certified from SEARI and CEPRI(China Electric Power Research Institute)



9.2 AC Cabinet, PCS and Transformer All-in-One



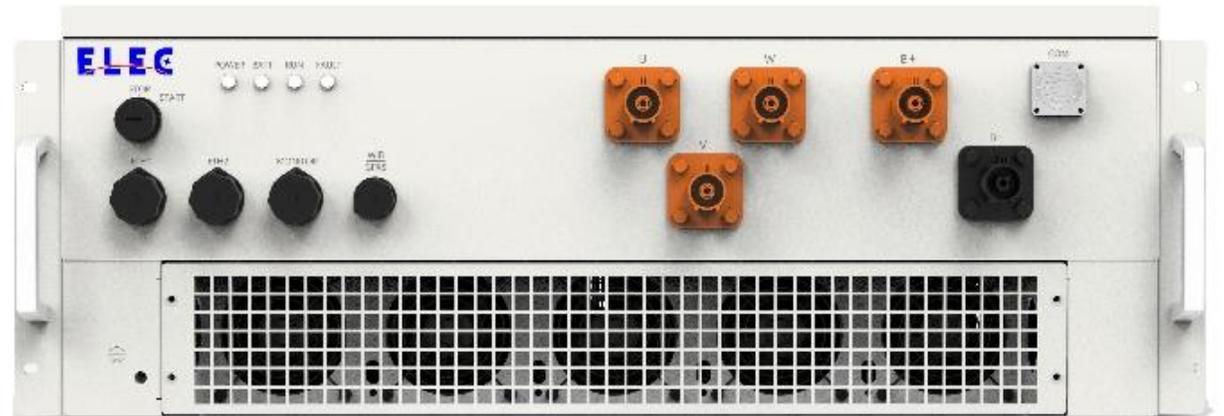
10.1 PCS Serials

EC0100/EC0075, involved the power level of 100KW/75KW

-- For Distributed Energy Storage Power Station

-- DC 1500V

-- Certified from SEARI and [TÜV Rheinland](#)



10.2 PCS Serials

EC0125, involved the power level of 125KW

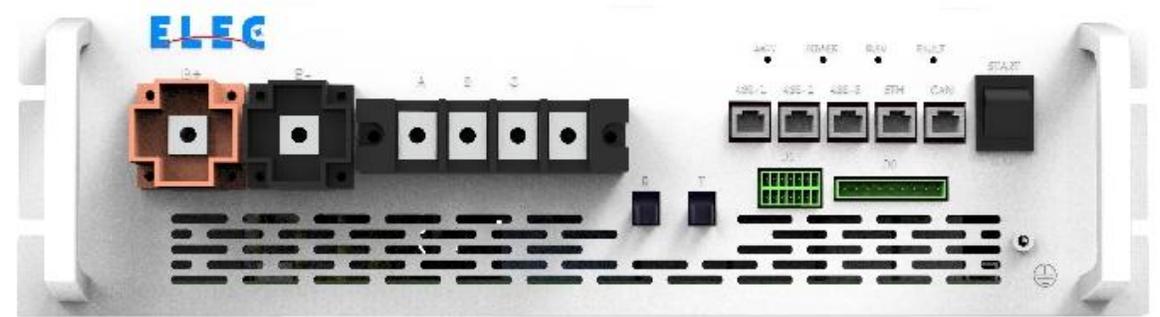
- For Distributed Energy Storage Power Station, DC1500V**
- Optional With AC and DC breaker**
- Certificated in SEARI**



10.3 PCS Serials

EC0050/EC0040/EC0030, involved the power level of 50KW/40KW/30KW

- For Distributed Energy Storage Power Station
- Certified from SEARI



10.4 PCS Serials

EC0200/EC0150, involved the power level of 200KW/150KW

- For Distributed Energy Storage Power Station
- DC 1500V and AC 690V
- Under Certification in SEARI



10.5 All-In-One Serials

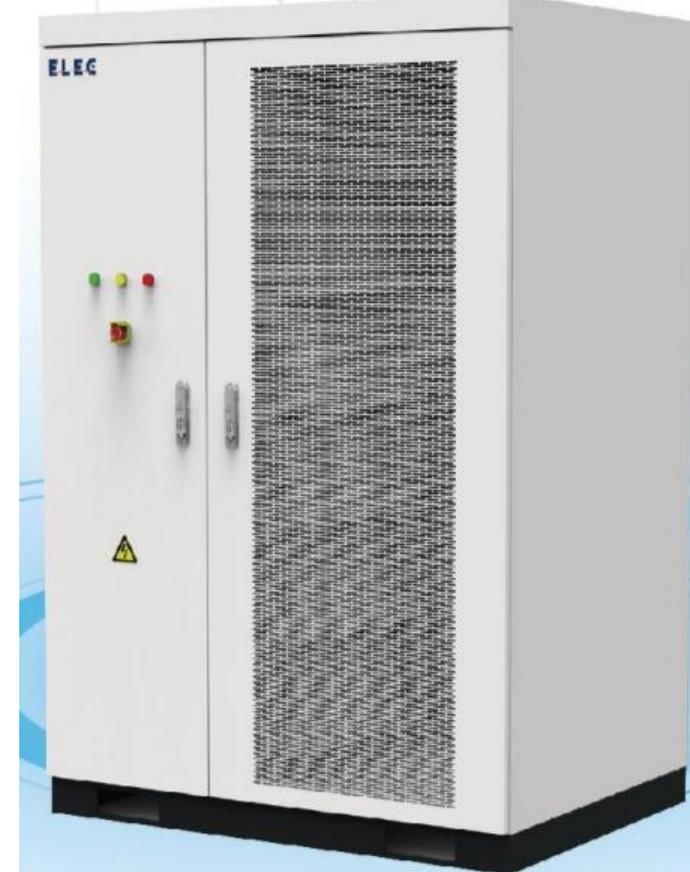
-- Distributed Storage Cabinet with Battery Pack and PCSs



EC0261KWh-0125KW

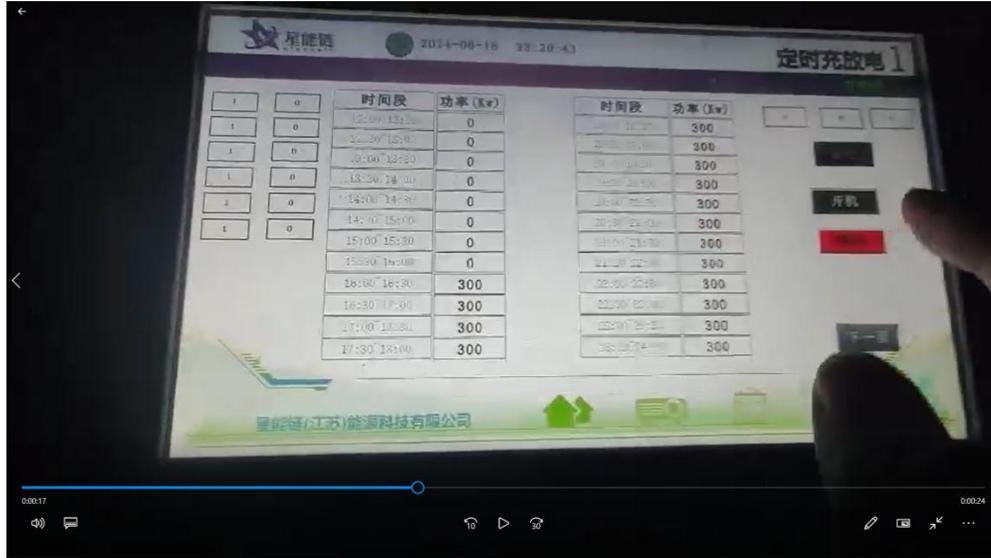


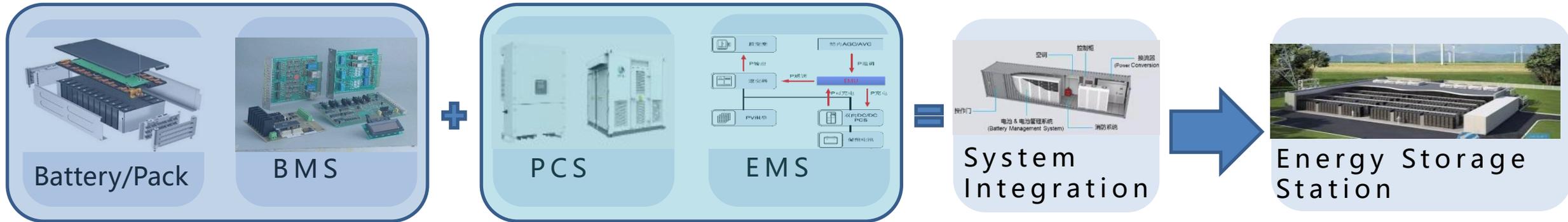
EC0466KWh-0200KW



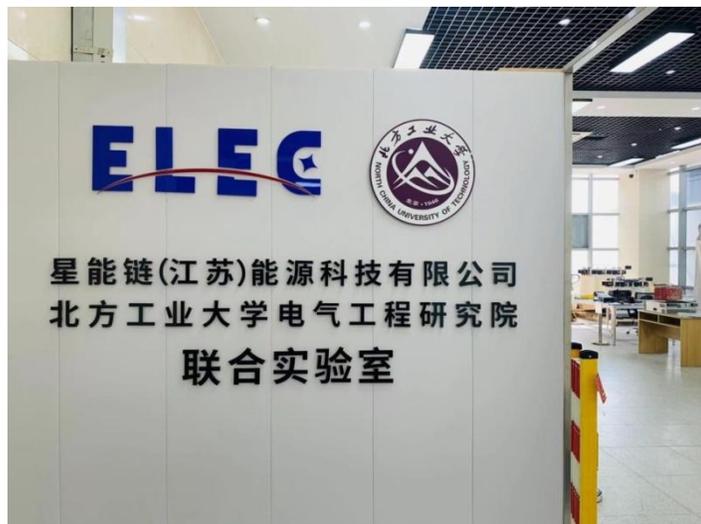
EC0600KL PCS Cabinet

10.6 Typical Application -- Distributed Storage System





(1) Electrical Engineering Research Institute of Northern Polytechnical University :



(2) Graduate training base for Nantong University :





中国认可
国际互认
检测
TESTING
CNAS L0699

BEST Lab



检测报告

CEPRI-SY8-2023-075

样品名称: 储能变流器

样品型号: EC1725

生产单位: 星能链(江苏)能源科技有限公司

委托单位: 星能链(江苏)能源科技有限公司

检测类别: 委托检验

中国电力科学研究院有限公司
检验检测专用章
2023年06月01日



报告编号: CEPRI-SY8-2023-075

中国电力科学研究院有限公司

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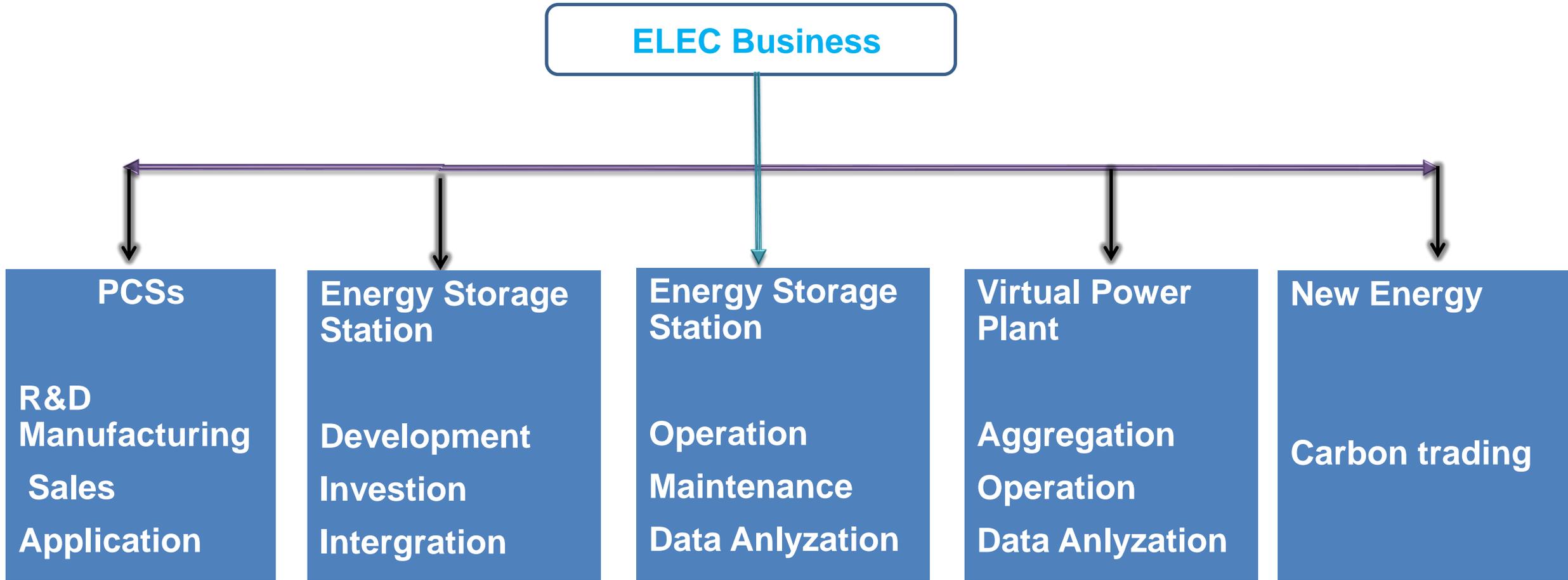
检测项目及检测结论

序号	检测项目	页码	样品编号	检测结论
1	低电压穿越	6-28	SY8-23/05/21-001	满足标准要求
2	高电压穿越	29-35		满足标准要求



星能链



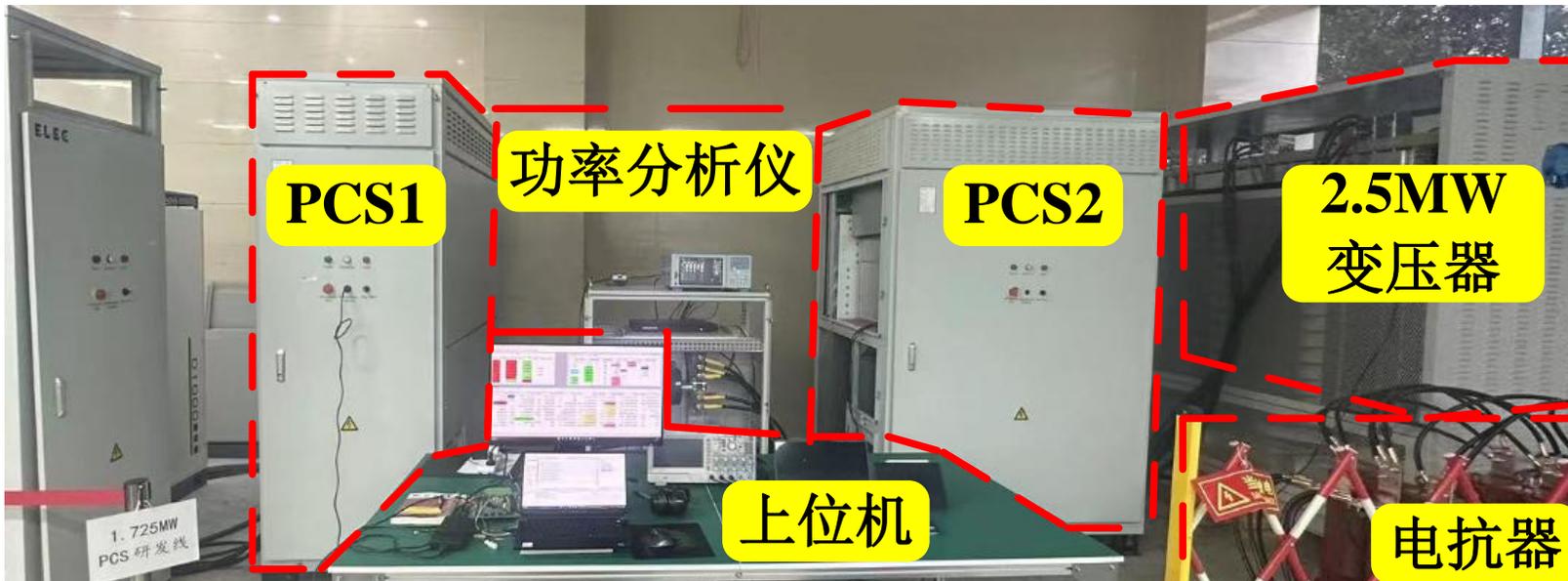


15.1 MW Level of PCS: 2GW(2025~2026)



<215KW Level of PCS : 3GW(2025~2026)

15.2 Precise instrument and R&D Platform





(1) Channel resources and service network

- With Haier Home Appliances Global Channel Resources
- Project opportunities brought by Haier's global factory green transformation
- Haier energy solution provides market opportunities for integrated solutions such as commercial air conditioning and commercial heat pumps
- Build a global sales network in Southeast Asia, Africa, Latin America, North America, Europe, Australia, and New Zealand

(2) Collaborative empowerment

- Manufacturing Empowerment - Haier Global Factory brings core value to the ELEC with cost advantage, Quality Assurance, A comprehensive 6S system
- Supply Chain Empowerment - Haidayuan Platform, Cost Reduction of Over 15%
- Haier New Energy Model - Providing customers with comprehensive integrated solutions



全球化服务网络

- 依托海尔集团全球服务体系，覆盖全球200多个国家
- 在全球拥有超过1.4万个服务网点。在全国的服务网点覆盖了超过95%的城市和乡镇
- 7*24小时智能在线受理

Appreciate your support

Wang Xijian 13817808795