

DANBO Instrument (Kunshan) Co., Ltd.

丹泊仪器（昆山）有限公司

Make testing easier and products more reliable



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丹泊公司

让测试更简单

让产品更可靠

- Founded in Y2012 with a registered capital of RMB 20.2 million, DANBLE is located in Kunshan, Jiangsu Province. For more than 10 years, DANBLE has been focusing on the independent research, design, manufacturing, selling, as well as providing complete solutions for laboratory testing.
- We mainly focus on 3C consumer electronics, new energy, automobile, photovoltaic, and three-party testing laboratory, to provide users with temperature and humidity, low pressure, dust, rain, light and other multi-dimensional reliability and durability test equipment.
- Presently, the company has nearly 70 employees, total square is more than 7000 square meters, our monthly production capacity is about 100pcs.

成立于2012

丹泊仪器成立于2012年，注册资金2020万，坐落于江苏省昆山市，10多年来始终专注测试设备的自主设计研发、制造、销售及实验室整套测试解决方案的制定。

公司业务范围

公司主要围绕军工、3C消费电子、新能源、光伏、三方检测等领域，为用户提供温湿度、低气压、沙尘、淋雨、光照等多维度可靠性耐久测试设备。



公司目前有员工近70人，
生产经营面积共计7000平米，月产能100台/套。

10 年+
生产研发经验

100 套
月均产能

7000 平
生产基地

High-tech
enterprises

Internet
Demonstration
Project

Innovative
small and
medium-sized
enterprises

energy storage
association
Council Member



ISO 9001
ISO 14001
ISO 45001

Revision of
national
standards

More than
40 items
R&D patents

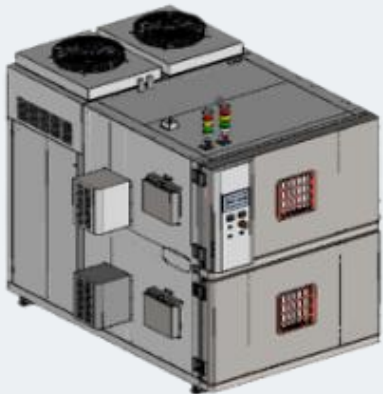
Contracted
nuclear
power test
equipment



三维建模

3D modeling

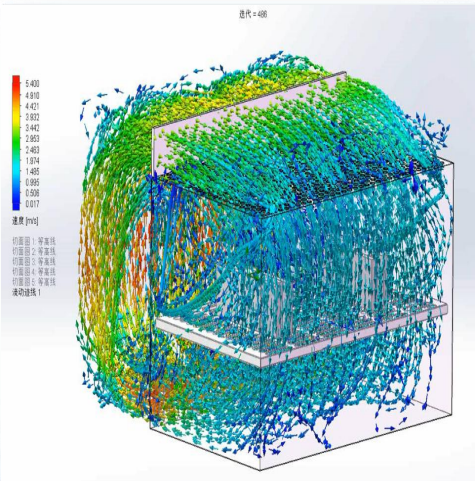
The appearance of the chamber& the 3D modeling of the refrigeration system. to ensures the rational layout of the structure size and refrigeration system, and to optimizes and reduces the external size design.



系统仿真

System simulation

ANSYS simulation software is used to provide the optimal air duct solution through the simulation of the wind field and temperature field inside the box, combined with user test scenarios.



验证试验

Validation test

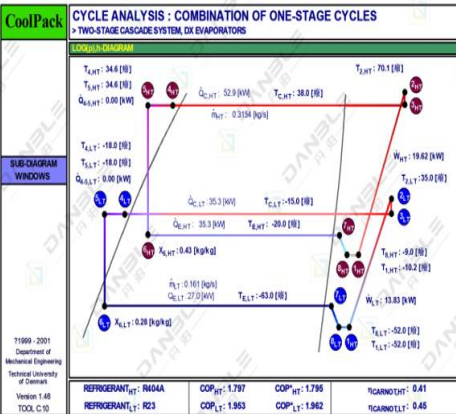
Through the adjustment of refrigeration throttling and control optimization, we continue to pursue higher quality temperature rise and fall curves and temperature and humidity deviation correction.



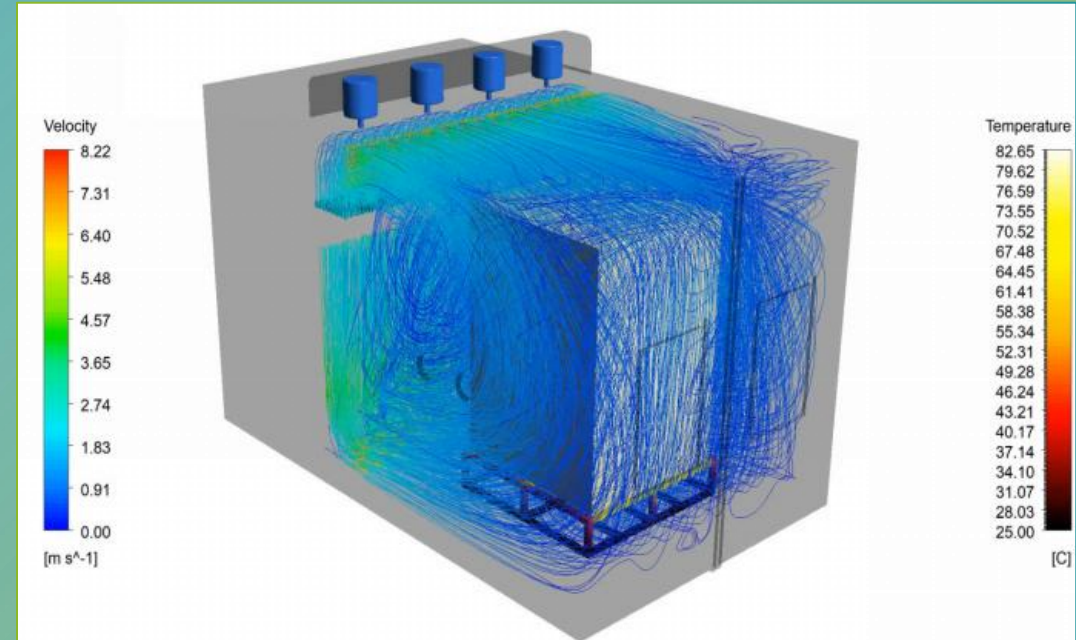
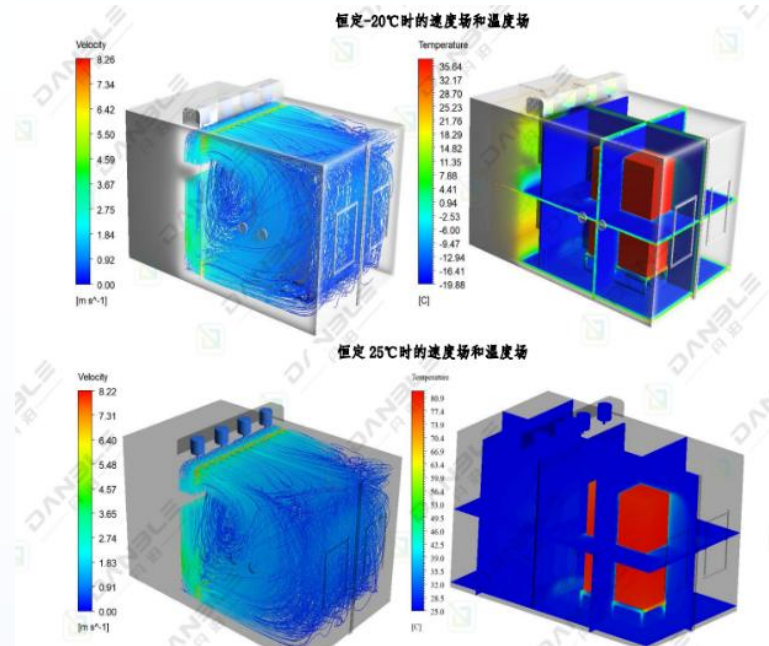
品质提升

Quality improvement

Through the multi-dimensional simulation of user use scenarios, we grasp the all-round friendly use of mechanical, electrical, and parts in the design and manufacturing process.



Wind speed and temperature field contours



Uniformity on load: $\leq 2.0^{\circ}\text{C}$

Fluctuation on load: $\leq \pm 0.5^{\circ}\text{C}$

Deviation on load: $\leq \pm 2.0^{\circ}\text{C}$

Product series

产品系列



New energy

01 新能源

Comprehensive type

02 综合型

customized

03 定制型

Energy-saving type

04 节能型

光伏

Photovoltaic

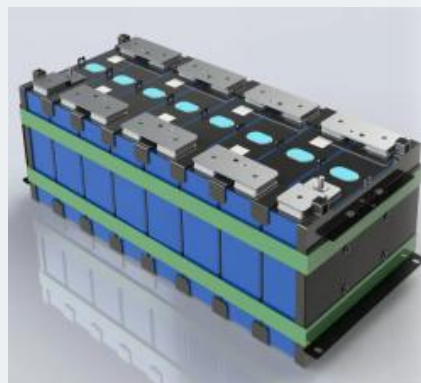
Various temperature and humidity reliability cycle tests and steady-state, ultraviolet, salt spray and other tests of photovoltaic modules.



模组

Module

The electrical performance test chamber of energy storage/power battery module can also be used for testing PCS inverter, power supply and other supporting systems.



电芯

Cell

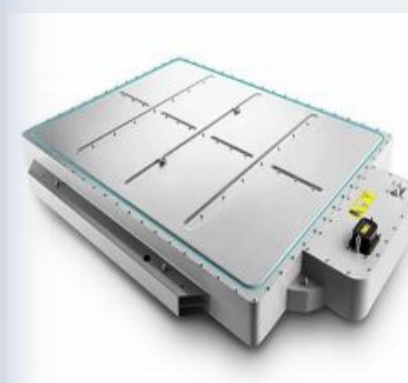
The electrical performance test of energy storage/power battery is mostly a multi-channel and multi-layer test scenario, because cylindrical batteries, square shells, soft packs, blade batteries, etc. are different in size and shape, and the supporting temperature chamber schemes are also different.



电池包

Battery pack

The electrical performance test chamber of energy storage/power battery module can also be used for testing PCS inverter, power supply and other supporting systems.



电池簇

Battery cluster

The climate and environment simulation test of energy storage products mainly includes temperature and humidity reliability test and plateau low pressure test.



Inner Volume (L) Internal Volume	504	800	1000	8000	12000
Inner Volume (W*D*H mm) Internal Dimensions	800*700*900	1000*800*1000	1000*1000*1000	2000*2000*2000	3000*2000*2000
Temp. Range Temperature Range	-40℃~+150℃、 0℃~+150℃、 RT+10℃~+150℃ Customizable				



Inner Volume (L) Internal Volume	312	390	560	546	1050	3000
Inner Volume (W*D*H mm) Internal Dimensions	800*600*650	1000*600*650	1000*800*700	1200*650*700	1500*1000*700	2000*1500*1000
Temp. Range Temperature Range	-40℃~+150℃、 0℃~+150℃、 RT+10℃~+150℃ Customizable					



标配项 Standard



chains



Vents



Explosion-proof
windows

选配项 Options



Smoke alarms



Gas concentration
meter



Smoke exhaust fan



Perfluorohexanone



Water spray



Water immersion

传感器
sensor



触发类型
Trigger type

Single-
channel alarm

单路
报警

多路
报警

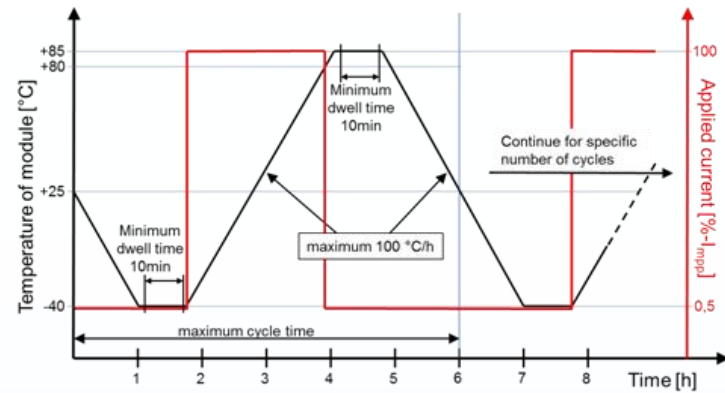
Multi-way
alarm

安全响应
Security
Response

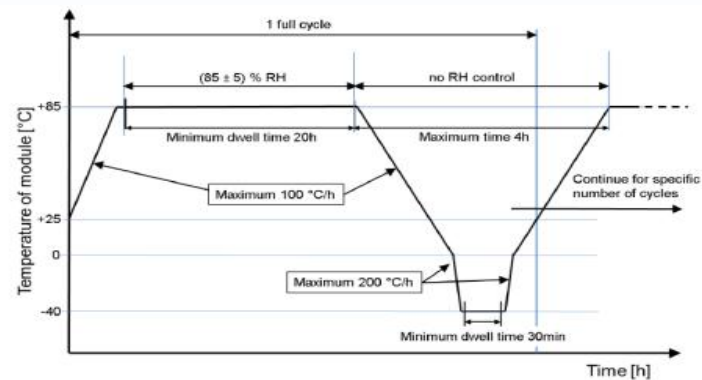


支持手/自动灭火

1. 热循环试验 (TC)



2. 湿冷冻试验 (HF)



3. 高温湿试验 (DH)

Product line - New energy



1. 紫外老化试验箱
(UV aging test chamber)

- : 200~250 W/m²
- Deviation: ≤15%



2. 阳光模拟试验箱
(Sunlight simulation test chamber)

- Irradiation intensity: 1000W/m²至1200W/m²
- Deviation: B (≤5%)
- Spectral grade: B (400nm至1100nm)
- Instability: A



T&H CHAMBER

- Temp. Range: $-70^{\circ}\text{C} \sim +150^{\circ}\text{C}$
- Hum. Range: 10%~98% RH
- Uniformity: $\leq 2^{\circ}\text{C}$



Basket shock test chamber

- Temp. Shock Range: $-55^{\circ}\text{C} \sim +150^{\circ}\text{C}$
- Temp. recovery time: 5 min
- Basket changeover time: 10S



Three chambers of shock test chambers

- Temp. Shock Range: $-55^{\circ}\text{C} \sim +150^{\circ}\text{C}$
- Temp. recovery time: 5 min
- Wind door changeover time: 5s



Rapid temp. change

- **Cooling Rate:** 3~20°C/min
- **Temp. overshoot:** 0.5°C
- **Temp. Uniformity:** ≤2°C



Vibration with T/H

- **Inner Volume:** 1~18 m³
- **Temp. Range:** -50~+150°C
- **Hum. Range:** 10%~98%RH



Aging room

- **Inner Volume:** 30~200m³
- **Temp. Range:**
RT+10~100°C
- **Temp. Uniformity:** ≤3°C



Altitude Chamber

Pressure range: atmospheric pressure ~ 500Pa

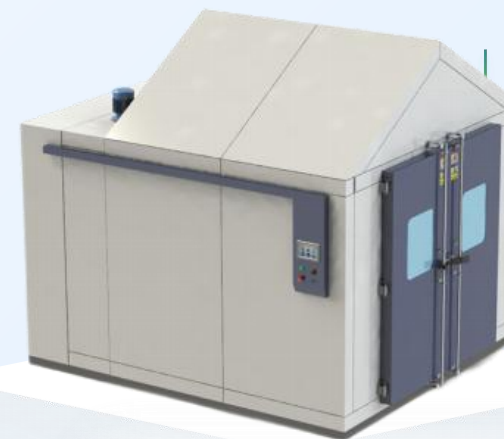
Inner Volume: 135L~385m³

Pressure reduction rate:
atmospheric pressure~1kPa ≤ 30min



Bench test chamber

- Single motor/EDS assembly bench test chamber
- Diagonal/split structure
- 50~ + 150℃/10%~98%RH



Composite salt spray test chamber

- Inner Volume: 270L~18m³
- Temp. Range: 10~ + 70℃
- Material: SUS 316L
/Fiberglass reinforced plastic

Temperature + Charge & Discharge Chamber

Inner Volume

W1000*D650*H600 mm

W850*D600*H1500 mm

- **Temp. Range:** -40~+150°C
- **Cooling method:** Air cooling (charge and discharge)/water cooling (chamber)
- **Temp. Uniformity:** $\leq 2^{\circ}\text{C}$ (40kg battery on load per cabin)
- **Connection :** connector/terminal copper bar

$\pm 0.02\%FS$

Voltage accuracy

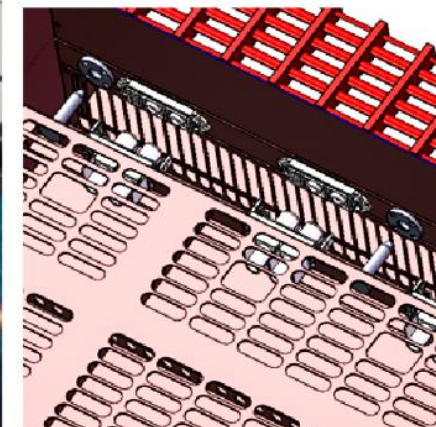
$\pm 0.02\%FS$

Current accuracy

$\pm 0.05\%FS$

Power accuracy

- **Data recording interval:** 1S



Four compartment chamber

Inner Dimensions

W800*D600*H600 mm *4

External Dimensions

W2085*D1840*H1920 mm

Temp. Range: -40~+150℃

Temp. Uniformity: ≤2℃

Power:

8.2<12kWh

constant temp. at -20℃

3.5<7.2kWh

constant temp. at 25℃

3.2<6.4 kWh

constant temp. at 45℃

Cooling performance:

Extreme load condition
(on load 15kg aluminum):

Three compartments at -40℃
One compartment at -35℃

Recommended load conditions
(on load 20kg aluminum):

Three compartments at -30℃
One compartment at -40℃



Customer service

客服服务



Service system

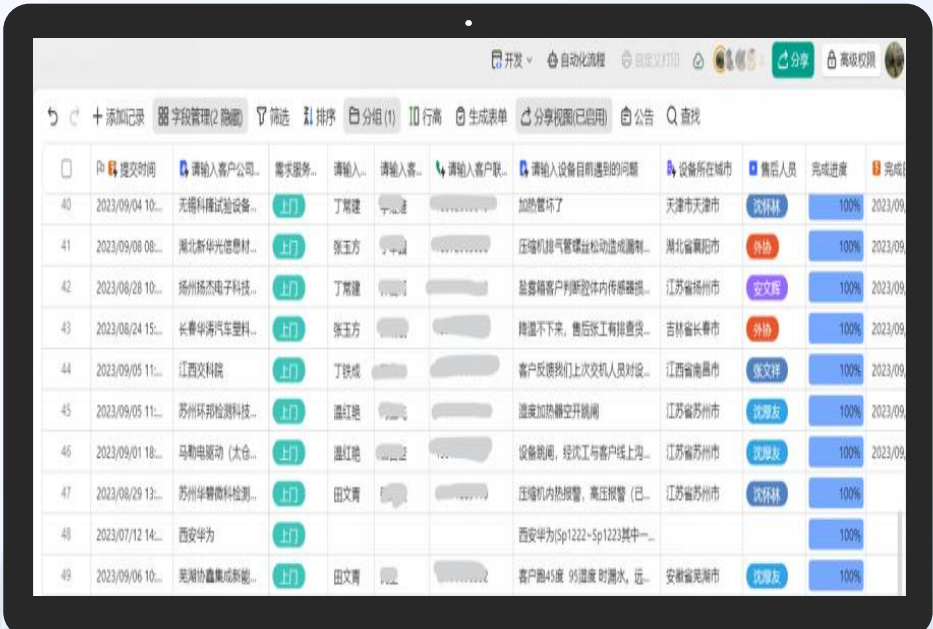
01 服务系统

Service process

02 服务流程

Performance pledge

03 服务承诺



ID	提交时间	请输入客户公司...	需求服务...	请输入...	请输入客...	请输入客户联...	请输入设备目前遇到的问题	设备所在城市	售后人员	完成进度	完成时
40	2023/09/04 10...	无锡科隆试验设备...	上门	丁常建	...	...	加热管坏了	天津市天津市	沈怀林	100%	2023/09
41	2023/09/08 08...	湖北新华光德慧材...	上门	张玉方	...	...	压缩机排气阀螺丝松动造成漏制...	湖北省襄阳市	张协	100%	2023/09
42	2023/08/28 10...	扬州扬杰电子科技...	上门	丁常建	...	...	监督箱客户判断腔体内传感器损坏	江苏省扬州市	张文祥	100%	2023/09
43	2023/08/24 15...	长春华清汽车塑料...	上门	张玉方	...	...	降温不下来，售后张工有排意见	吉林省长春市	张协	100%	2023/09
44	2023/09/05 11...	江西交科院	上门	丁铁成	...	...	客户反馈我们上次交机人员对设...	江西省南昌市	张文祥	100%	2023/09
45	2023/09/05 11...	苏州环邦检测科技...	上门	温红艳	...	...	温度加热罐空开跳闸	江苏省苏州市	沈怀友	100%	2023/09
46	2023/09/01 18...	马勒电驱动（太仓...	上门	温红艳	...	...	设备跑闸，经次工与客户线上沟...	江苏省苏州市	沈怀友	100%	2023/09
47	2023/08/29 13...	苏州华碧微料检测...	上门	田文青	...	...	压缩机内热报警，高压报警（已...	江苏省苏州市	沈怀林	100%	
48	2023/07/12 14...	西安华为	上门				西安华为Sp1222-Sp1223其中一...			100%	
49	2023/09/06 10...	芜湖协鑫集成新能...	上门	田文青	...	...	客户船45度 95湿度 时漏水，远...	安徽省芜湖市	沈怀友	100%	

客户服务-服务系统

Customer Service - Service system

Danble has independently developed an after-sales network platform and combined it with existing data systems (ERP+CRM system) to provide users with the most timely personnel support and material allocation.

新建销售记录

基本信息

记录内容

请输入...

跟进类型 售后问题

维修设备清单

添加附件

单个文件不得超过100M

里程数(KM) 请输入

里程数附图

+

单个图片不得超过20M

签到类型 出发签到

关联业务数据 [客户]安可信无人机技术(常州)有限公司

新建 提交



- 1 Receive customer service requests
- 2 Contact customers phone/video call
- 3 Prepare tools/materials
- 4 Book the visit time
- 5 repair and maintenance
- 6 Service notification signature confirmation
- 7 Upload System

Service
Commitment



Phone/video response within 1 hour



Reply to home visit time within 4 hours



8-48 hours on-site repair



Once a year during the warranty period, the equipment will undergo free inspection, maintenance, and upkeep

Provide free technical support for all on-site environmental testing chamber to customers