Thlinkpower

CONTENT

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Thlinkpower

About Us

PART 01

History-Main Market-Quality System

History

Thlinkpower

Thlinkpower is a solar energy solutions provider headquartered in Ningbo, China, with three manufacturing centers. Our 150+ R&D professionals and 550+ employees bring 10+ years of expertise in energy storage and carbon neutrality technologies.

With 100+ patents and certifications like TUV, UL, and CE, our solar systems meet global safety standards. Trusted by over 300,000 households in 100+ countries (including Europe, North America, and Southeast Asia), we deliver reliable clean energy solutions.

Committed to accelerating the global transition to renewable energy, we innovate to empower a sustainable future.

10

We have more than 10 years experience in this industry

550

We have 550+employees, and a R&D team of 150+ people

100

Thlinkpower owns more than 100 patents and many international certifications

300

Our products serving more than 300,000 households worldwide.

History

Thlinkpower

2013

ThlinkPower was established in Ningbo, China, aiming to be a global leader in energy storage solutions.

2014

Developed and produced the company’ s first inverter, marking a break-through in R&D capabilities

2016

Launched new solar panel products, further expanding the product line and market influence.

2018

In 2018, launched charging stations, entering the electric vehicle charging market, in response to the global carbon reduction trend.

2020

In 2020, the company’ s products and services covered over 100 countries, serving more than 300.000 households, achieving a global layout.

Main Market

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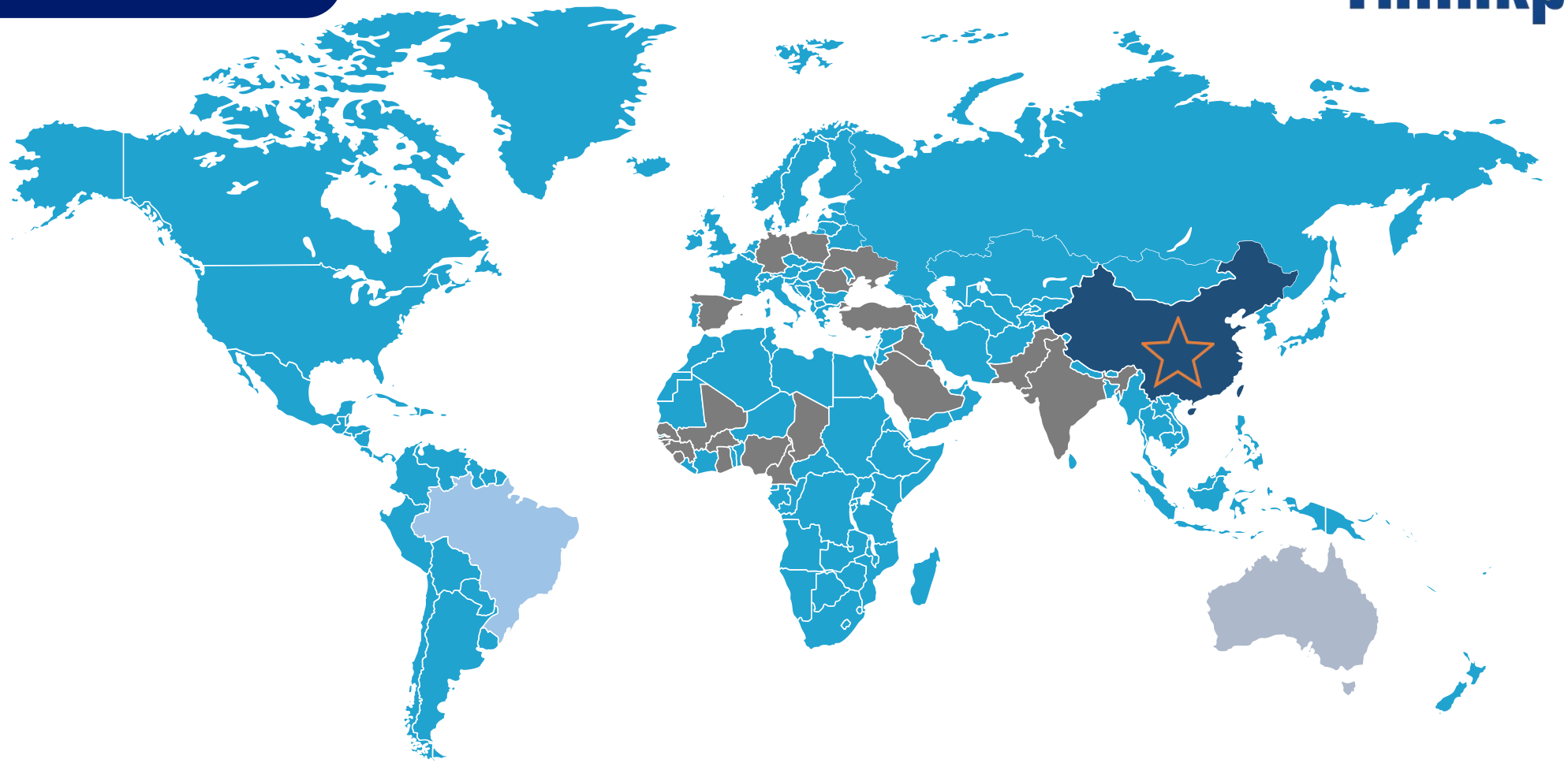

In the vast energy landscape, Thlinkpower arrives with a mission and passion. We use advanced energy tech and a professional service mindset to paint a magnificent picture of energy support. Committed to quality, Thlinkpower offers top - notch, efficient, and reliable energy services globally. No matter where are you or how unique your needs, we leverage our strength and innovation to tailor solutions, becoming your trusted energy partner.

Quality System

Thlinkpower

Certificate of Conformity

NO.: ENS2302070002E00101C

The following product has been tested by us with the listed standards and found in conformity with the council EMC directive 2014/30/EU. This is to certify that the specimen is in conformity with the assessment requirement mentioned follow. This certificate does not imply assessment to the production of the product.

Applicant	:	THLINKPOWER NEW ENERGY TECHNOLOGY CO.,LTD
Address	:	10A6, Haishu Building, Haishu District. 315000 Ningbo, Zhejiang, China
Manufacturer	:	THLINKPOWER NEW ENERGY TECHNOLOGY CO.,LTD
Address	:	10A6, Haishu Building, Haishu District. 315000 Ningbo, Zhejiang, China
Trade Mark	:	NEXTPOWER
EUT	:	INVERTER CHARGER
M/N	:	Victor NM-ECO-3.6KW PLUS, Victor NM-ECO-4.2KW PLUS, Victor NM-ECO-6.2KW PLUS
Test Standards	:	EN IEC 61000-6-3:2021 EN 61000-3-11: 2000 EN 61000-3-12: 2011 EN IEC 61000-6-1:2019

(Manager)
February 8, 2023

TEST REPORT

Product Name : INVERTER CHARGER

Model Number : Victor NM-ECO-3.6KW PLUS, Victor NM-ECO-4.2KW PLUS, Victor NM-ECO-6.2KW PLUS

Prepared for	:	THLINKPOWER NEW ENERGY TECHNOLOGY CO.,LTD
Address	:	10A6, Haishu Building, Haishu District. 315000 Ningbo, Zhejiang, China
Prepared by	:	EMTEK (SHENZHEN) CO., LTD.
Address	:	Bldg 69, Majialong Industry Zone, Nanshan District, Shenzhen, Guangdong, China Tel: (0755) 26954280 Fax: (0755) 26954282
Report Number	:	ENS2302070002S00301R

ATTESTATION OF CONFORMITY

Issued to:	Wuxi Thinkpower New Energy Co., Ltd. Building C3, Phase II, Pioneer Park Yongan Road, Economic Development Zone 214200 Yixing City, Jiangsu Province, P.R. China
For the product:	Grid-Tied Solar Inverter
Trade name:	Thinkpower
Type/Model:	TP10KTL, TP12KTL, TP15KTL, TP17KTL, TP20KTL, TP25KTL
Ratings:	Refer to the annex.
Manufactured by:	Wuxi Thinkpower New Energy Co., Ltd. Building C3, Phase II, Pioneer Park Yongan Road, Economic Development Zone 214200 Yixing City, Jiangsu Province, P.R. China
Requirements:	EN IEC 61000-6-1:2019 EN 61000-6-3:2007+A1:2011 EN IEC 61000-6-2:2019 EN IEC 61000-6-4:2019

This Attestation is granted on account of an examination by DEKRA, the results of which are laid down in a confidential file no 6109135.51.

This Attestation implies that the examined types are in accordance with the standards designated under the Electromagnetic compatibility directive 2014/30/EU.

The examination has been carried out on one single specimen or several specimens of the product, submitted by the manufacturer. The Attestation does not include an assessment of the manufacturer's production. Conformity of his production with the specimen tested by DEKRA is not the responsibility of DEKRA.

The CE marking may be affixed on the product if all relevant and effective EC directives are complied with.

Shanghai, 12 August 2021 Number: 6109135.02AOC

DEKRA Testing and Certification (Shanghai) Ltd.

Kreny Lin
Certification Manager

DEKRA Testing and Certification (Shanghai) Ltd.
3F #250 Jiangchangsan Road, Shibei HiTech Park, 200436 ,Jing'an District, Shanghai, China
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Our Hot Product

PART 02

Single phase hybrid/on grid-Three phase hybrid /on grid

Single Phase Hybrid

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ON/OFF GRID SOLAR INVERTER **VICTOR NM-ECO SERIES**

R INVERTER MODE

G PV MODE

B UTILITY MODE

Features

Pure sine wave solar inverter(on/off Grid)
Output power factor 1.0
WIFI&GPRS available for IOS and Android
Inverter can run without battery
One-key restoration to factory Settings
Built-in Lithium battery automatic activation
Dual communication ports for Battery communication and Wifi communication
Built-in 120A MPPT Solar charge:max 6200W (for 3.6KW/4.2KW),max 6500W (for 6.2KW)
Built-in 80A MPPT Solar charge max 6500W (for 3.6KW/48V)
High PV input voltage range(60~500VDC)
Built-in anti-dust kit for harsh environment
- Smart battery charge design to optimize battery life
- Dual output

Single phase on grid

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TP-GTI Serise

Single phase On-grid solar inverter

RGB LIGHTS · 160A MAX PV CHARGIN · MPPT · APP · Dual PV

Features

- Big LCD display;
- Compact and easy to install;
- Power export limit ;
- WIFI/GPRS/Lan communication optional;
- Comply with international quality standards tested by TUV,BV,Dekra etc ;

Model	TP-S1000TL	TP-S1500TL	TP-S2200TL	TP-S3000TL	TP-S3600TL	TP-S4400TL
DC Side/Input Parameters						
Max. DC Power (W)	1500W	2250W	3300W	4500W	5400W	6600W
Max. DC voltage (W)	450	450	500	500	500	500
Min system start/Shut down voltage (Vdc)	65/70	75/100	75/100	75/100	75/100	75/100
MPPT voltage range (Vdc)	70~450	100~450	100~450	100~450	100~450	100~450
Max input current/per string	13A	13A	13A	13A	13A	13A
Number of MPP trackers	1	1	1	1	1	2
AC Side/ Output Parameters						
Nominal output power (W)	1000	1500	2200	3000	3600	4000
Maximum output power (W)	1100	1600	2420	3300	3960	4400
Nominal output voltage/range (V)	208,220,230,240/180~270					
AC grid frequency/range (Hz)	50Hz,60Hz(auto-selection) /44Hz-55Hz;54Hz-65Hz					
Maximum output current (A)	6	8	12	16	16	21
AC connection (with PE)	single phase					
Max. Conversion Efficiency	97.30%	97.30%	97.40%	97.50%	97.80%	97.80%
Dimension, D x W x H (mm)	370/277/115	370/277/115	370/277/115	370/277/115	370/277/115	434/340/115
Weight(kg)	7	7	7	7	7	8

Three phase hybrid

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Big LCD display

Power export limit

Compact and easy to install

Wifi/GPRS/Lan communi

TP-ESS Serise

Three phase hybrid solar inverter

RGB LIGHTS · 120A MAX PV CHARGING · PURE SINE WAVE · WORKS · MPPT · LI-ION · BUILT IN ANTI DUST KIT · APP · LCD

Features

- Big LCD display;
- Three phase unbalanced output;
- Power export limit ;
- WIFI/GPRS/Lan communication optional;
- Anti-back ow control accuracy<20w;
- Working in 45 degrees high temperature without power degradation;

Model	TP-EPH4KTL	TP-EPH5KTL	TP-EPH6KTL	TP-EPH8KTL	TP-EPH10KTL	TP-EPH12KTL
Input(DC)						
Max. DC Power (W)	6000W	7500W	9000W	12000W	15000W	15000W
Max. DC voltage (W)	1000Vdc					
MPPT voltage range(Vdc)	200-850Vdc					
Max input current/per string	13A/13A					
Number of MPP trackers	2					
Battery Input						
Battery Type	Li-Ion					
Battery voltage range	130-700V					
Maximum charge/discharge current	25/25A					
Charge strategy for Li-Ion Battery	Self-adaptation to BMS					
Output (AC)						
AC nominal power	4000W	5000W	6000W	8000W	10000W	12000W
Max AC apparent power	5000VA	5500VA	7000VA	8800VA	11000VA	13200VA
Max output current	8A	10A	12A	15A	17A	20A
Nominal AC output	50/60Hz; 400/350					
AC output range	45/55Hz;280~490Vac(Adj)					
Max. Conversion Efficiency	98.00%	98.00%	98.20%	98.2%	98.2%	98.2%
Dimension, D x W x H(mm)	516*427*183.5	516*427*183.5	516*427*183.5	516*427*183.5	516*427*183.5	516*427*183.5
Weight(kg)	26	26	26	26	26	26

Three phase on grid

project show





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Three phase on-grid solar inverter

TP-TL Serise

RGB LIGHTS · 120A MAX PV CHARGING · PURE SINE WAVE · WORKS · MPPT · LI-ION · BUILT IN ANTI DUST KIT · APP · WI-FI&GPRS · LCD

Features

- Big LCD display;
- IP65 ingress protection;
- Power export limit ;
- WIFI/GPRS/Lan communication optional;
- Comply with international quality standards tested by TUV,BV,Dekra etc ;

Model	TP-4KTL	TP-5KTL	TP-6KTL	TP-8KTL	TP-10KTL	TP-12KTL	TP-15KTL
Input(DC)							
Max. DC Power (W)	5500W	6500W	7500W	9500W	11500W	18000W	22500W
Max. DC voltage (W)				1000Vd.c.			
Min working voltage (Vdc)				160Vd.c.			
MPPT voltage range(Vdc)				160-850Vd.c.			
Max input current/per string				18A/18A			
Number of MPP trackers				2SA/2SA			
Output (AC)							
AC nominal power	4000W	5000W	6000W	8000W	10000W	12000W	15000W
Max AC apparent power	5000VA	6000VA	7000VA	8800VA	11000VA	13200VA	16500VA
Max output current	8A	10A	12A	15A	17A	20A	23A
Nominal AC output				50/60Hz 400Vac			
AC output range				45/55 Hz;280--490Vac(Adj)			
Max. Conversion Efficiency	98.00%	98.20%	98.20%	98.4%	98.4%	98.4%	98.4%
Dimension, D x W x H (mm)	480/476/157	480/476/157	480/476/157	480/476/157	480/476/157	480/476/157	480/476/157
Weight(kg)	16	16	16	16	16	16	16

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Factory Tour

PART 03

Production line-Laboratory equipment-Storehouse

Production line

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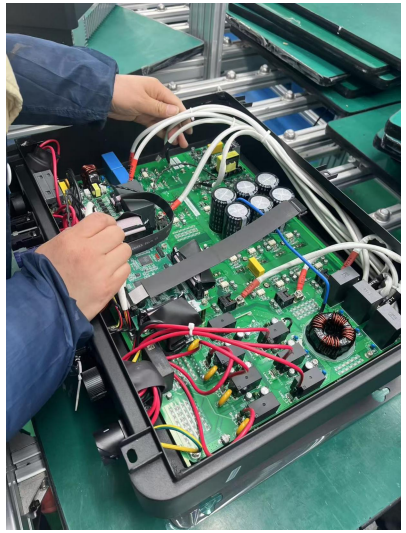
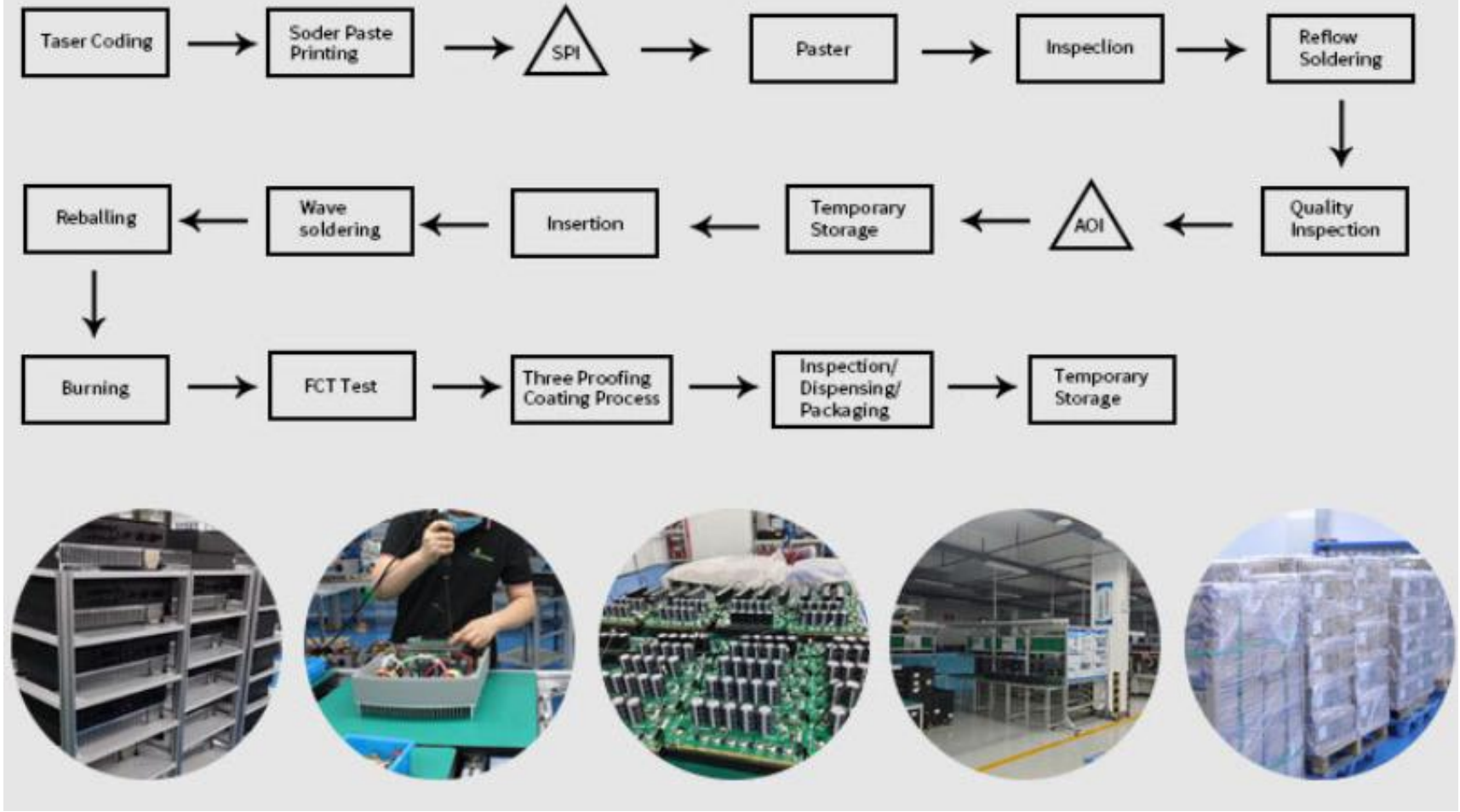


PRODUCT DEVELOPMENT



Laboratory Equipment

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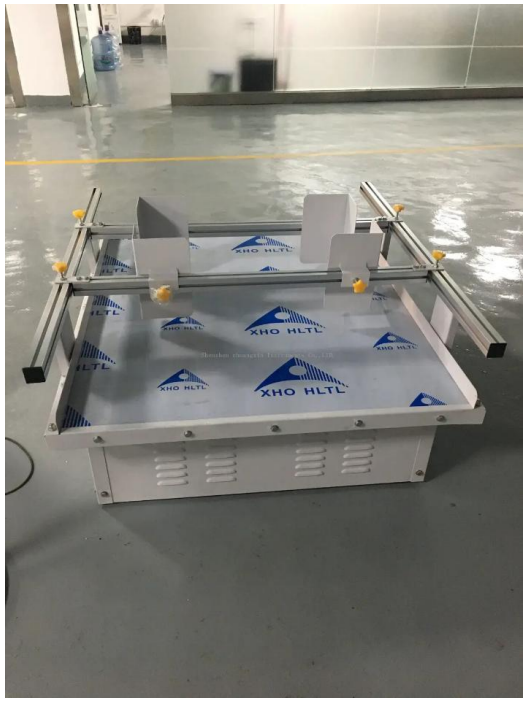
Aging DC source inductor value tester

Transport simulation vibration table



Air pressure tester

Storehouse

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Project in Cameroon

PART 04

Kribi-Mbalk-Mvolyé

Kribi 15MW Solar Power Plant Project

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Kribi 15MW Solar Power Plant Project

Scale: 15 megawatts of installed capacity.

Positioning: Mainly provides electricity for Kribi and its surrounding areas, meeting part of the local residents' and commercial electricity demand, alleviating the local power supply tension, and promoting local economic development.

Mbalk 10MW Distributed PV Project

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Mbalk 10MW Distributed PV Project

Scale: A total installed capacity of 10 megawatts, composed of several small - scale distributed PV systems, located on the roofs of schools, hospitals, government buildings and other structures in Mbalk.

Positioning: Aims to enhance the energy self - sufficiency of local public institutions, reduce operating costs, decrease dependence on the traditional power grid, improve the stability and reliability of power supply, and serve as a demonstration to boost the application of distributed PV in the building sector.

Mvolyé 39KW PV Project

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Mvolyé 39KW PV Project

Scale: 39 Killowatts of installed capacity.

Positioning: Offers a stable power source for industries in Mvolyé and nearby areas, reduces enterprise electricity costs, attracts more investment and industries, and helps improve the local energy structure.

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Thank you!

Ashley

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