

German Brand

ALILY

ENERGY

TOP 1 One-stop Solar-PV Solution Provider!

www.alilyenergy.com | info@alilyenergy.com

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Who we are?

Why ALILY?

Products and Projects

CSR

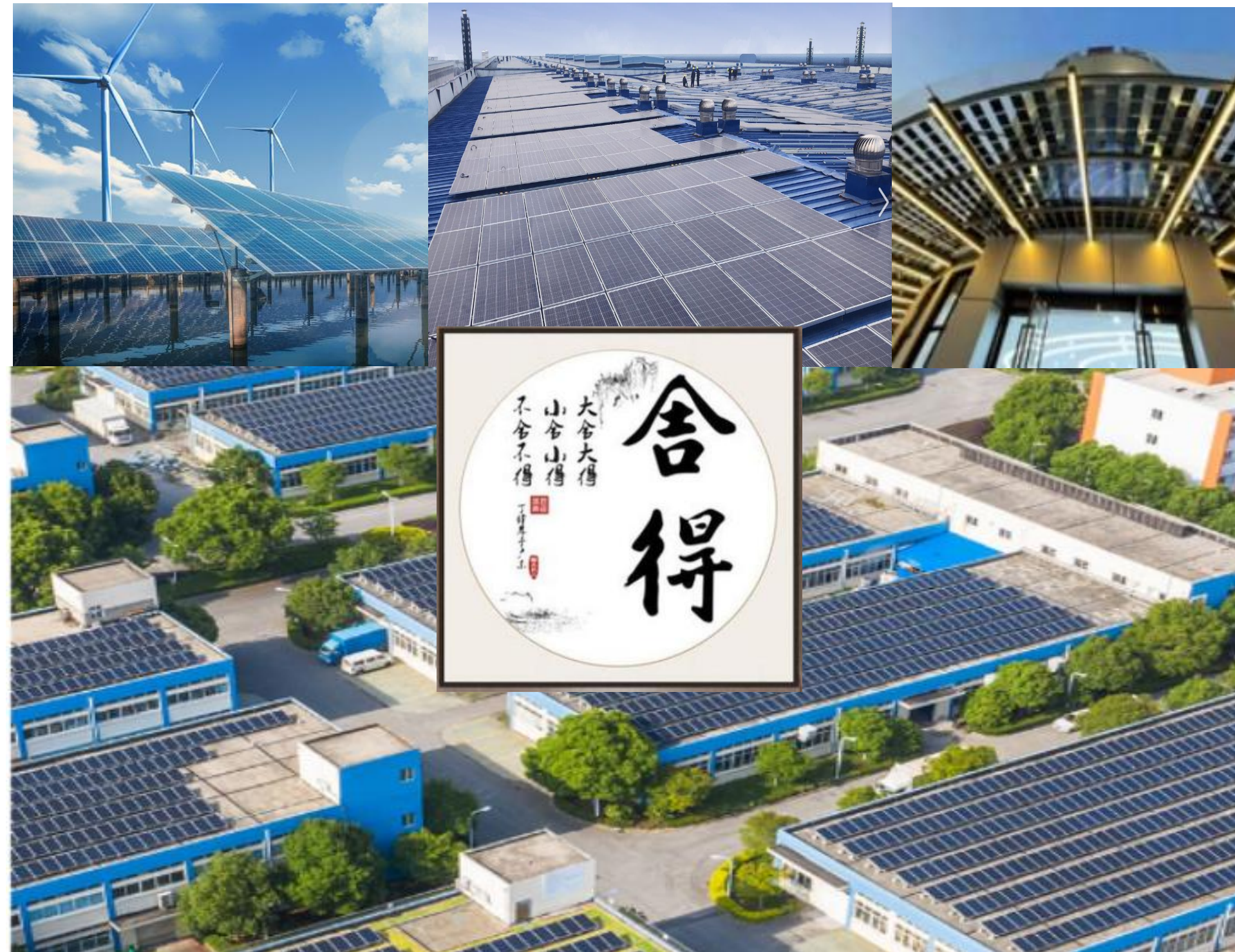
Who we are?



ALILY ENERGY was a company registered in Freiburg, Germany, specialized in sustainable energy solutions. Our ALILY team is made of members coming from **TOP TIER 1 brand** companies such as **JINKO, Trina, Znsine and Renesola** over **20 years of experiences** in research, development and manufacturing of solar panels. Our goal is to actively combat global warming by providing top-quality power solutions to our customers around the world. We offer a comprehensive, **one-stop solution** for all aspects of solar power including development, financing, design, CKD BOM, solar kits (including on grid and off grid solar panels), BIPV, operation and maintenance. Additionally, we provide premier pre-sales, sales, and after-sales service for our state-of-the-art products.



Who we are?



ALILY ENERGY

Vision

ALILY Energy Empower You!

Mission

TOP 1 One-stop solar-PV solution provider!

Value

Give-and-take

Who we are?



Focus on global photovoltaic industry

One-stop solution

Businesses

Solar Panel and Portable Solar Applications

BIPV Solar Construction Materials

Solar-PV System Kits+Storage system

Solar Panel CKD BOM+Factory

www.alilyenergy.com

Who we are?



Global Sales Network



Who we are?

Milestone



- Founded ALILY in China and Germany
- Open offices in India, Australia, Brazil
- Factory building
- Immetro certificate

- Sales volume: over 500 million USD
- Expansion of product portfolio and set up 6 online shops: AMAZON, ALIBABA, TIKTALK, PDD, Kuaishou, Little Red Book

2020

2021

2022

2023

- Sales volume: USD\$1 million
- Embrace innovation with clients
- Patent apply

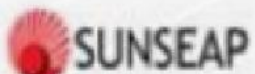
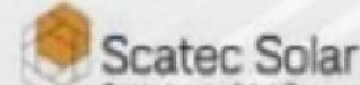
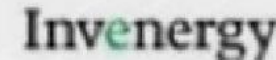
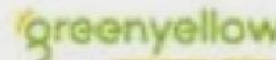
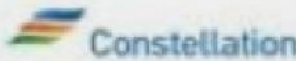
- Module capacity: 2GW+
- Capacity pipeline: 6GW

Who we are?

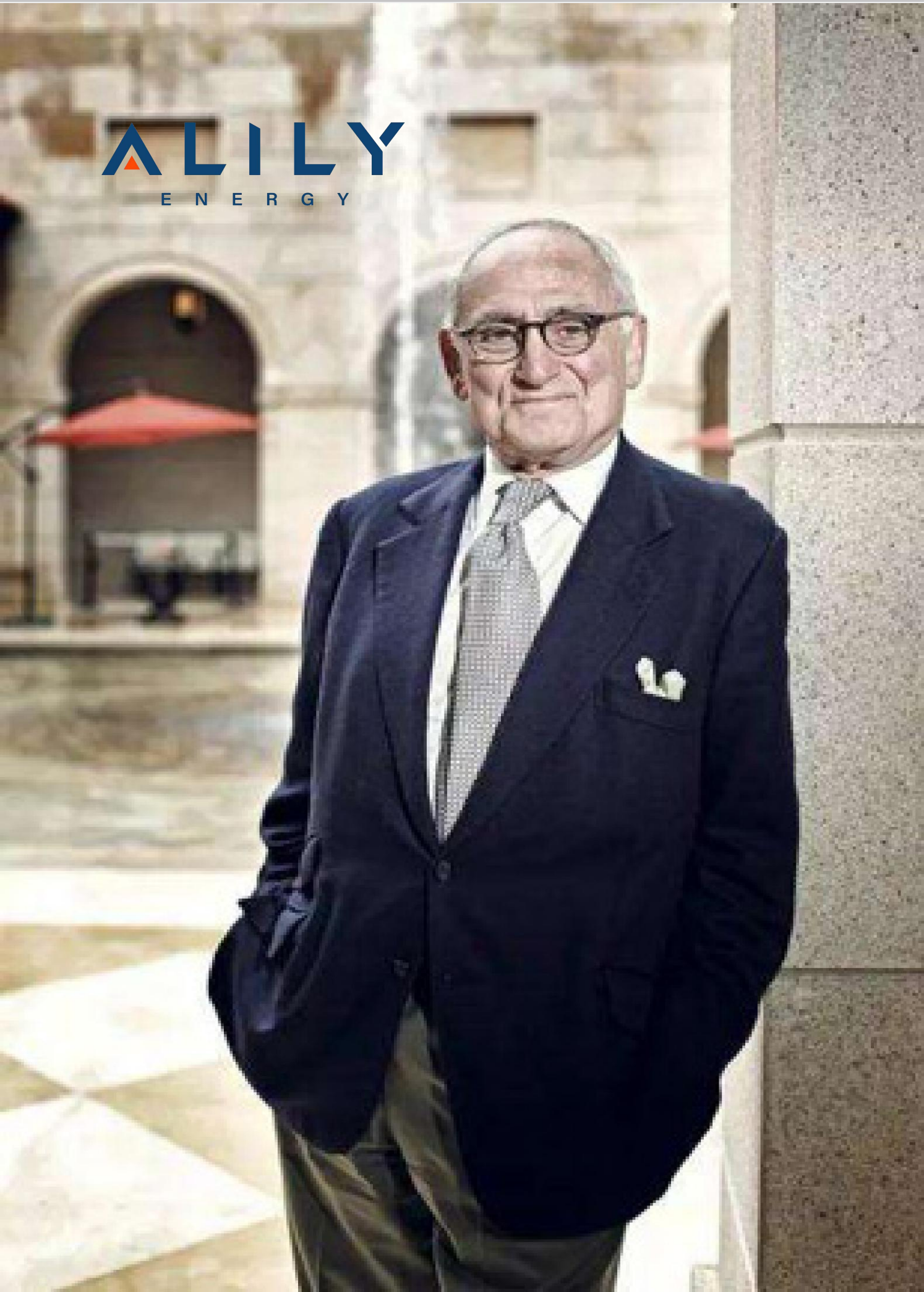
Global Clients



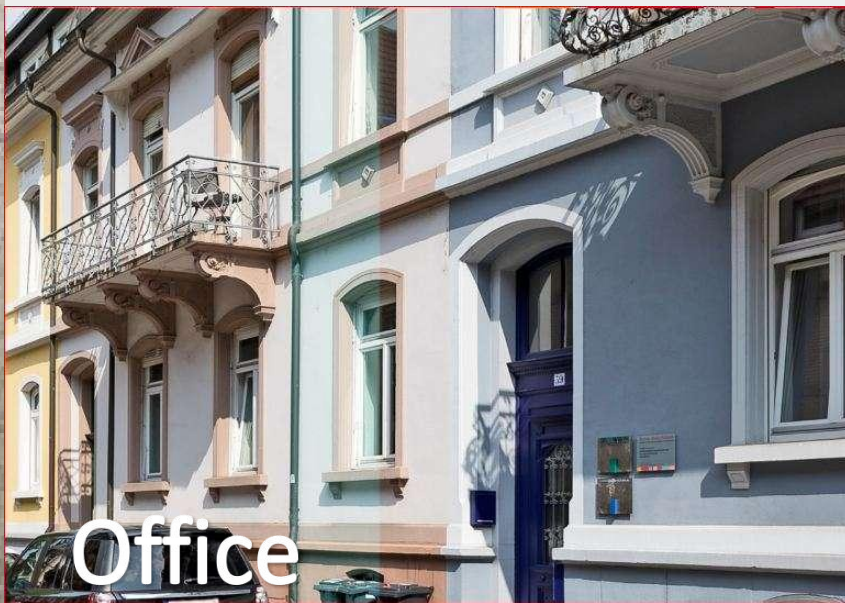
SoftBank



Why ALILY ?



Freiburg im Breisgau



Office



German Design

Germany Design
Product engineers from Freiburg Germany
20 Years solar panel manufacturing experience
Zero solar waste

Freiburg im Breisgau

Green city
Solar origin city
Environmental city



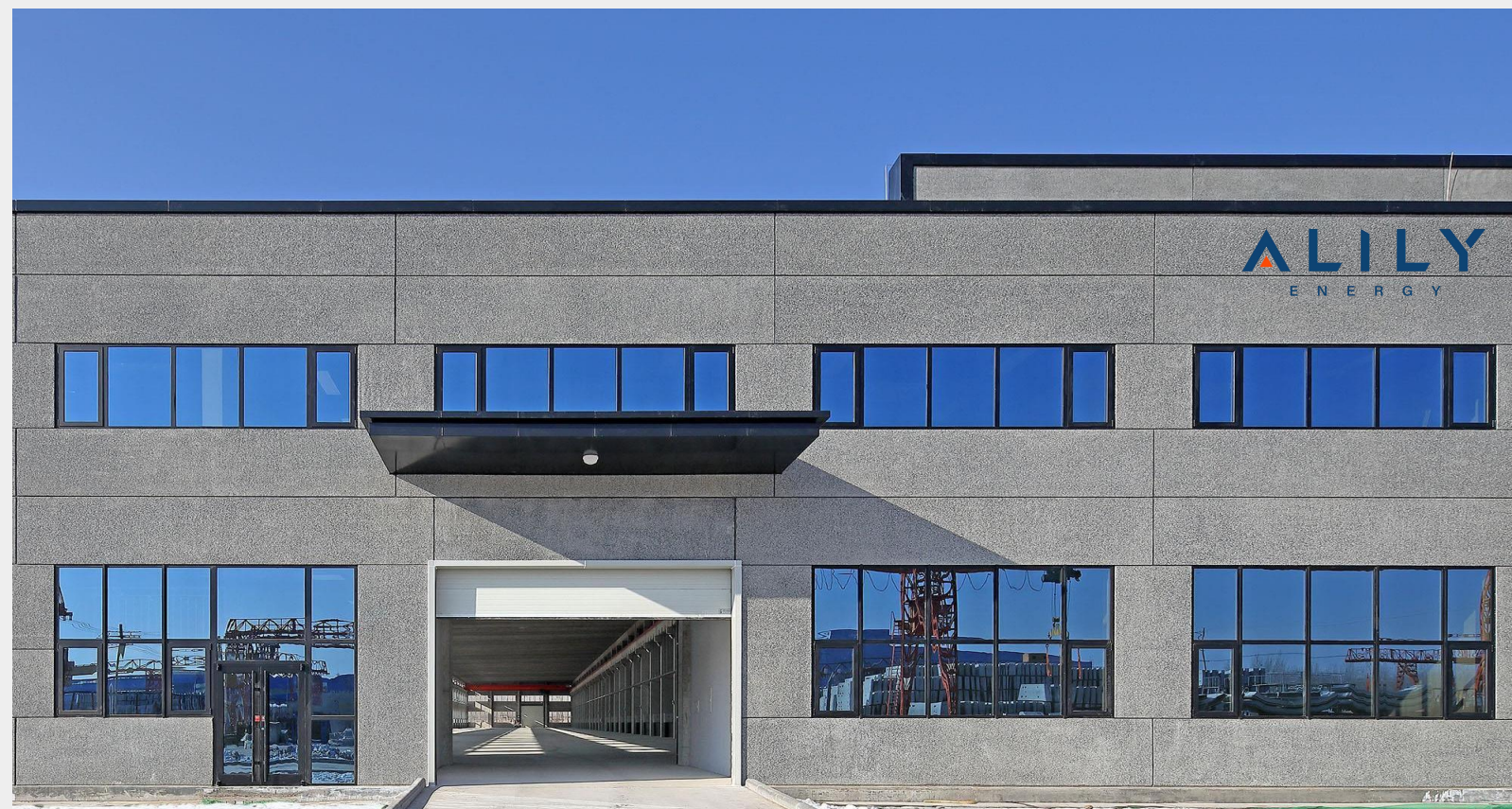
Why ALILY?



Factory Price

Tier 1 Quality & Warranty

- Tier 1 quality Solar panel
- Third party factory audit report
- Global certificates
- CNAS certified Lab
- 100% Pure A solar cell materials only commitment
- 30 years limited power warranty for double glass panel



Warranty

Guarantee

- **100%** Pure A solar cell materials only commitment.
- All products subject to strict quality control and 100% full capacity.

- **25-30** years linear power warranty for the glass panel.
- with the third party quality seal from MunichRE AND ChinaRe.

Test

- Strict internal quality test.
- More than 200 test items, including various special environments and applications around the world.

15
years

20-30
years

200+
items



CHINA RE



DEKRA witnessed
laboratory



Qualification & Patent

Global **TOP 500 Companies** and Patent

RWE

To:
Alily Energy GmbH
Hildastr. 59
79102 Freiburg i. Br.

Esсен, 30 March 2022

Qualification Certificate

Dear Alily Energy GmbH,

We are pleased to inform you that you have passed our supply chain management qualification process successfully.

Alily Energy GmbH is qualified as our supplier for PV and BESS project supplier.

Your Sincerely
RWE Renewables GmbH

Manuel Geggus
Head of Storage Dev. EU

Steven Pryor
Director Procurement

RWE Renewables GmbH RWE Platz 4 45141 Essen Germany T +49 201 51 79-0 F +49 201 15 199 www.rwe.com	Head Office: Essen, Germany Registered at: Local District Court Essen Registered No. HRB 29653	Bank account: Deutsche Bank AG IBAN: DE76 3607 0050 0238 0137 00 BIC (SWIFT Code): DEUTDE33XXX
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DEC
东方电气

编号 NO.: 04-298-2022

合格供应商证书 Certificate of Qualified Supplier

阿莉莉能源科技江苏有限公司:
ALILY ENERGY CO., LTD.

经评审, 你公司光伏电池组件产品入选《东方电气集团公司光伏电池组件合格供应商名录》(2022版)。
After evaluation, your company's products of solar photovoltaic module were approved to be listed in the Qualified Suppliers of Photovoltaic Modules of Dongfang Electric Group (DEC) (2022 edition).

特发此证
The certificate is issued to ALILY.

东方电气集团海外事业部
DEC

证书号 第7611871号

外观设计专利证书
Patent Certificate

外观设计名称: 充电设备

设计人: 李倩

专利号: ZL 2022 3 0237743.6

专利申请日: 2022年04月25日

专利权人: 阿莉莉能源科技江苏有限公司

地址: 213000 江苏省常州市新北区富强路5号

授权公告日: 2022年10月11日 授权公告号: CN 307586233 S

国家知识产权局依照中华人民共和国专利法经过初步审查, 决定授予专利权, 颁发外观设计专利证书并在专利登记簿上予以登记。专利权自授权公告之日起生效, 专利权期限为十五年, 自申请日起算。

专利证书记载专利权登记时的法律状况。专利权的转移、质押、无效、终止、恢复和专利权人的姓名或名称、国籍、地址变更等事项记载在专利登记簿上。

局长
申长雨

申长雨

2022年10月11日

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其他事项参见续页

Customized Service

Customized designs : **OEM Service**

Building Integrated with solar PV panel.


Flexible Solar Panel

Standard modules manufacturing for the brands of the clients




Localization

Germany, Australia, Brazil, India: **Local warehouse, local team, local aftersales service !**

 Location: Steinbruchstr. 7, 35768 Tringenstein Germany

 Location: UNIT 4, 29 BELLRICK STREET ACACIA RIDGE QLD 4110, AUSTRALIA

 Location: Rua Galvao Bueno 450, Liberdade, 0156-000 Sao Paulo, Brazil

 Location: Plot No. 152, Sector-44 Gurugram-1 22002, Haryana, India.



Solar panel-on grid

AL **41**

AL41-395~410MX-E3



AL **41**

AL6-535~555MBG-E3



AL **6**

AL6-535~555MBG-E3



Solar panel-on grid

AL **6**

AL6-535~555 M -E3



AL **6**

AL6-560~580NBG-E3



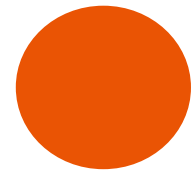
AL **9**

AL9-650~670MBG-E1



Portable solar panel-off grid

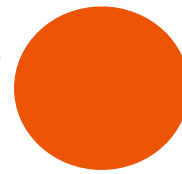
30W



Cellphone/battery Charger



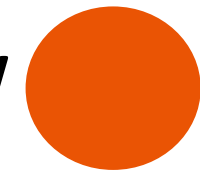
120W



EV Bike Charger



200W

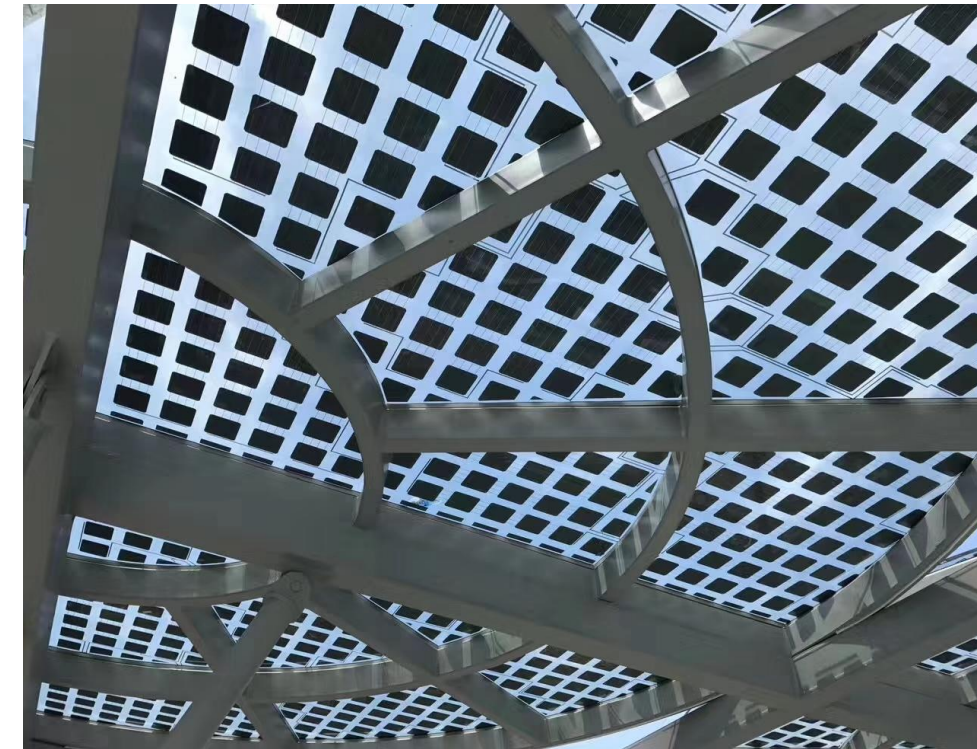


Portable power station Charger



BIPV Solar Construction Material

Solar glass curtain wall, solar fence, solar glass roof, solar tile, solar canopy and solar advertising light box , etc...



Hybrid Inverter and Battery

5kW Single Phase Hybrid Inverter system



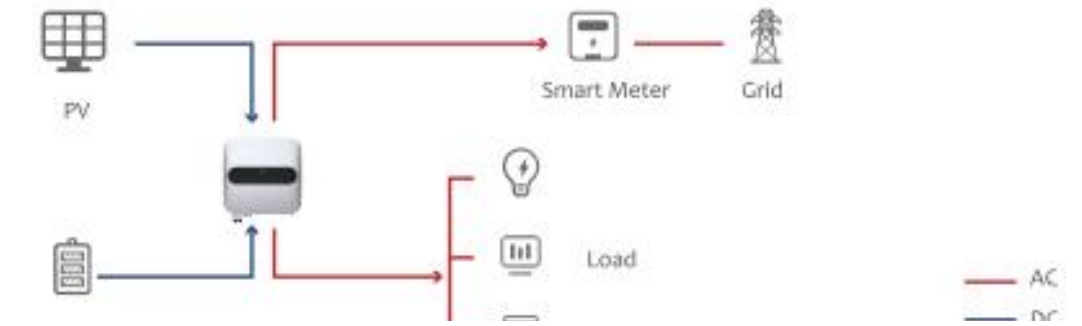
SMT-5K-TL-LV

Support solar panel, battery, grid and load four-port interface
 Can be integrated with on-grid and off-grid switching function
 Easy capacity expansion and installation
 Full power output in the off-grid state
 Strong output capability and good load adaptability



Cell options:
 1. CATL
 5. EVE

Residential Energy Storage system



Model Type	SMT-HESS-LV3584B			
No. of Battery in Parallel	1	2	3	4
Rated Capacity (kWh)	3.58	7.16	10.7	14.3
Size (W*D*H) mm	570*352*381	570*352*537	570*352*693	570*352*849
Rated Voltage	51.2	51.2	51.2	51.2
Depth of Discharge (DoD)	90%	90%	90%	90%
Working Temperature (Degrees Celsius)	0-50	0-50	0-50	0-50
Communication Port	RS485;CAN	RS485;CAN	RS485;CAN	RS485;CAN
Life Cycle	>10Years	>10Years	>10Years	>10Years

Model Type	SMT-HESS-LV3584B			
No. of Battery in Parallel	5	6	7	8
Rated Capacity (kWh)	17.92	21.5	25.08	28.67
Size (W*D*H) mm	570*352*1005	570*352*1161	570*352*1317	570*352*1473
Rated Voltage	51.2	51.2	51.2	51.2
Depth of Discharge (DoD)	90%	90%	90%	90%
Working Temperature (Degrees Celsius)	0-50	0-50	0-50	0-50
Communication Port	RS485;CAN	RS485;CAN	RS485;CAN	RS485;CAN
Life Cycle	>10Years	>10Years	>10Years	>10Years

Hybrid Inverter and Battery

10kw Three Phases Hybrid Inverter system



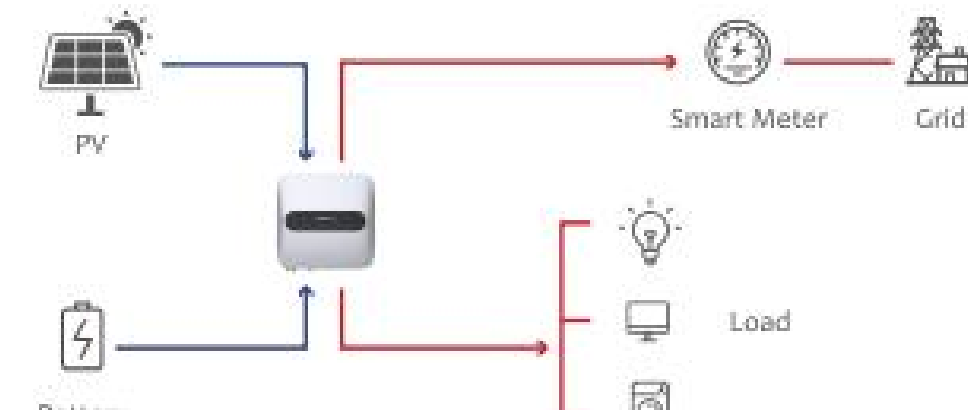
SMT-10K-TL-TH

Support solar panel, battery, grid and load four-port interface
 Can be integrated with on-grid and off-grid switching function
 Easy capacity expansion and installation
 Full power output in the off-grid state
 Strong output capability and good load adaptability



Cell options:
 1. CATL
 5. EVE

Residential Energy Storage system



Model Type	SMT-HESS-HV5324B				
No. of Battery in Series	4	5	6	7	8
Rated Voltage (V)	204.8	256	307.2	358.4	409.6
Rated Capacity (kWh)	20.48	25.6	30.72	35.84	40.96
Size (W*D*H) mm	590*363*923	590*363*1093	590*363*1263	590*363*1433	590*363*1603
Battery Module					
Rated Voltage (V)	51.2	51.2	51.2	51.2	51.2
Rated Capacity (Ah)	100	100	100	100	100
Depth of Discharge (DoD)	90%	90%	90%	90%	90%
Communication Port	RS485;CAN	RS485;CAN	RS485;CAN	RS485;CAN	RS485;CAN
Number of Cycles (Times)	6000@25°C	6000@25°C	6000@25°C	6000@25°C	6000@25°C
Working Temperature (Degrees Celsius)	0~50	0~50	0~50	0~50	0~50
Life Cycle	>10Years	>10Years	>10Years	>10Years	>10Years

Solar Panel CKD BOM + Solar System Kits



阳光电源
SUNGROW

SG50CX

WEIGHT: 62KG

SIZE: 782×645×310MM



Bloomberg TIER¹
NEW ENERGY FINANCE

JinKO Solar
Building Your Trust in Solar

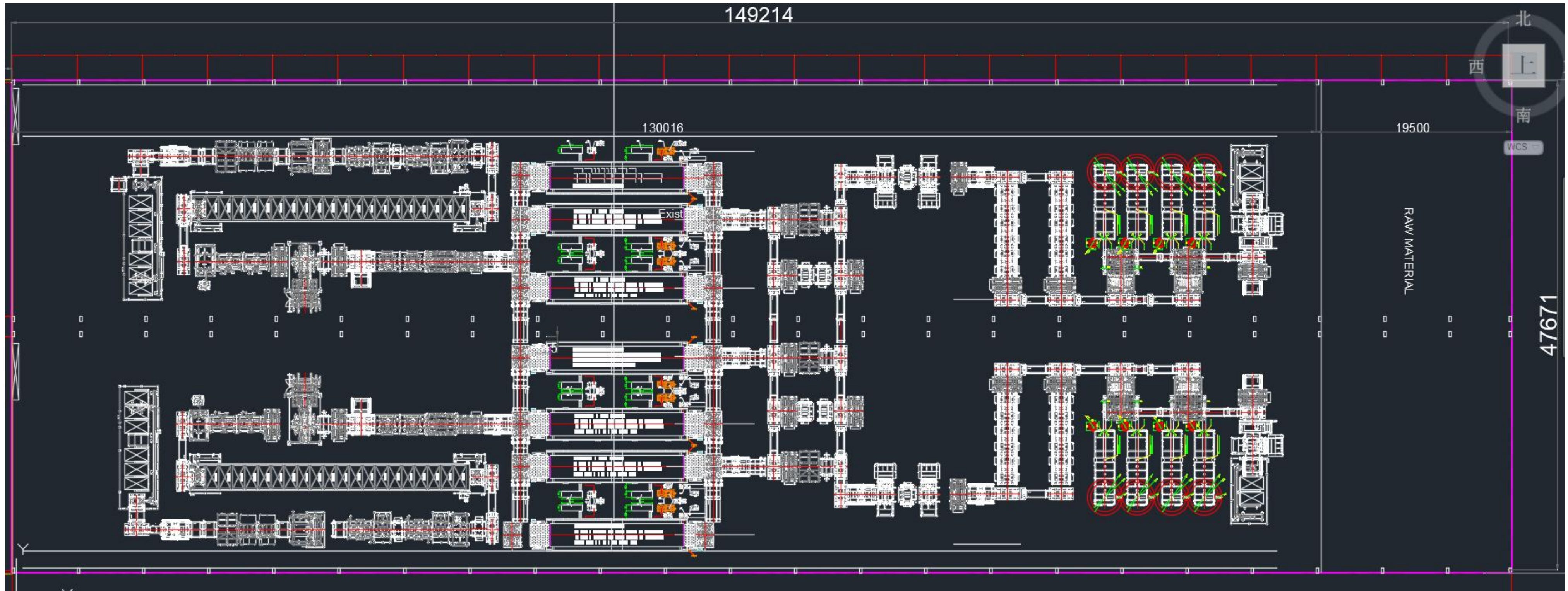
Trina solar

LONGI

risen

500mw/year CKD BOM to OEM factories in Canada and India with 8 years experiences of CKD BOM shipment.

Overseas Factory Engineering and Facilities-2GW



EV Charger



Single Phase: 3.5KW, 7.0KW
Three Phases: 11KW, 22KW

Portable EV Charger

Product Introduction

Portable EV Charger is new generation of compact charger based on the standard version of IEC 61851 mode 2 charger. Portable EV Charger supports Bluetooth connection, staggered charging reservation, real time charging data monitoring, and current level adjustment on site via app. This product is compatible to all mainstream EV on the market.

- Compact and convenient power plug integrated with control box
- 4 adjustable current levels : 8A / 10A / 13A / 16A
- The electricity bill can be reduced through charging time reservation when the electricity price is low
- Secure safety through ground connection check
- Real-time charging data display via app: current, voltage, power, charged power capacity, controller temperature, ground and connection
- Multiple protections: over/under voltage, over current, short circuit, electric leakage, over temperature, auto shut down when fully charged and ground connection

Model selection sheet

Product Model	Input Voltage	Input Voltage Range	Output voltage	Output current	Bluetooth Connection	Standard	Cable Length
STQ16EV95	220Vac	164Vac - 264Vac	220V	8A / 10A / 13A / 16A	√	IEC 61851	5m/196.8m
STQ16EVS10	220Vac	164Vac - 264Vac	220V	8A / 10A / 13A / 16A	√	IEC 61851	10m/393.7m
STQ16EVS15	220Vac	164Vac - 264Vac	220V	8A / 10A / 13A / 16A	√	IEC 61851	15m/590.5m
STQ16EVS20	220Vac	164Vac - 264Vac	220V	8A / 10A / 13A / 16A	√	IEC 61851	20m/787.4m

Specification

Input-Output characteristics		MIN	TYP	MAX
Input Voltage	/	164Vac	220Vac	264Vac
Input Frequency	/	47Hz	50Hz	62Hz
Output Voltage	Equivalent to Input	164Vac	220Vac	264Vac
Output Current	Four-level Adjustable:8A/10A/13A/16A	8A	13A	16A
CP Signal		MIN	TYP	MAX
Output High Voltage	/	11.4Vdc	12Vdc	126.6Vdc
Output Low Voltage	/	-12.6Vdc	-12Vdc	-11.4Vdc
Output Frequency	/	970Hz	1000Hz	1030Hz
Output Duty Cycle	/	/	21.67%	/
Rising Edge Time	/	/	/	2us
Falling Edge Time	/	/	/	2us
State I Voltage	/	11.2Vdc	12Vdc	12.8Vdc
State II Voltage	/	8.2Vdc	9Vdc	9.8Vdc
State III Voltage	/	5.2Vdc	6Vdc	6.8Vdc
General features		MIN	TYP	MAX
Operating Temperature	/	-30°C	/	85°C
Storage Temperature	/	-40°C	/	75°C
IP Level	Control Box	/	IP66	/
IP Level	Charging plug(enclosure IP55)	/	IP54	/
Protection function		MIN	TYP	MAX
Input Overvoltage Protection	Input Voltage≥275V	255Vac	265Vac	275Vac
Input Undervoltage Protection	Input Voltages≤150V	150Vac	160Vac	170Vac
Overcurrent Protection	Electric Current ≥ Protection Point	/	/	16A
Short Circuit Protection	Electric Current ≥ 20A	19A	20A	21A
Leakage Protection	Leakage Current ≥ 30mA	20mA	/	30mA
Over Temperature Protection	Controller Temperature≥85°C	/	85°C	/
Grounding Protection	disgrounded can enter emergency charging mode	/	can be set up	/
Other		VALUE		
Weight	Including controller, cable, charger(5 meters)	1.5kg		

ACME Project in India



Project scale: 80MW



Location: Bikaner, India



The delivery time:
2022.2~2022.3



AVADA Projec in India



Project scale: 150MW



Location: Maharashtra, India



The delivery time:
2022.2~2022.3



BEST ENERGY project in Brazil



Project scale: 26MW



Location: Anapolis.GO, Brazil



The delivery time:
2022.7~2022.9



Solar roof top project



Project scale: 5.2MW



Location: Henan Province



The delivery time:
Jun.2017



Solar roof top project



Project scale: 3.8MW



Location: Shandong province



The delivery time:
Jun,2013



Solar roof BIPV project



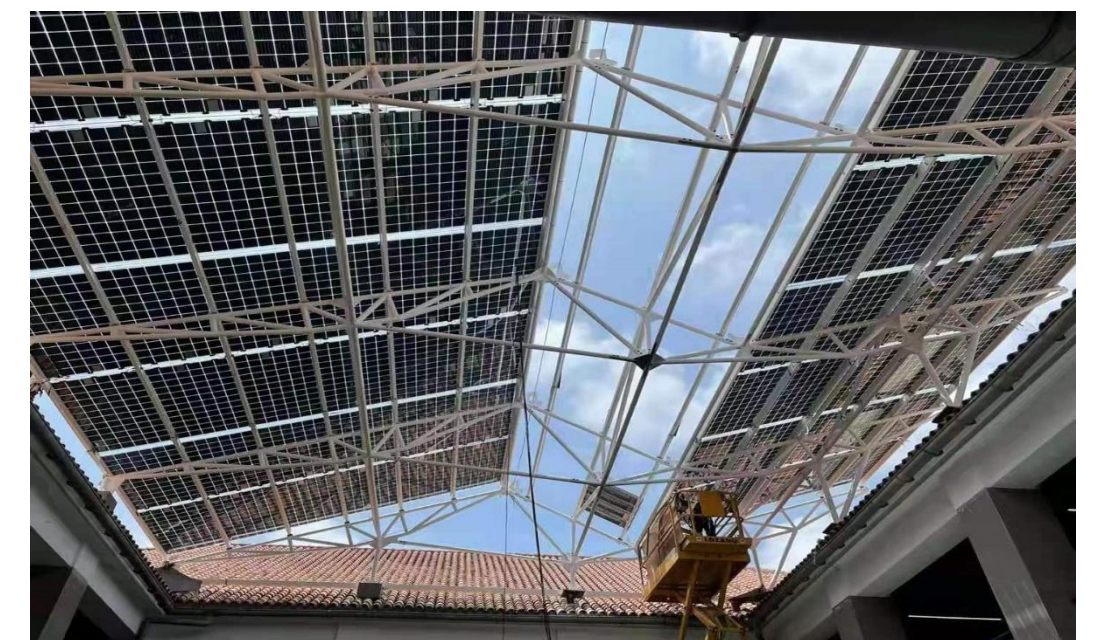
Project scale: 580KW



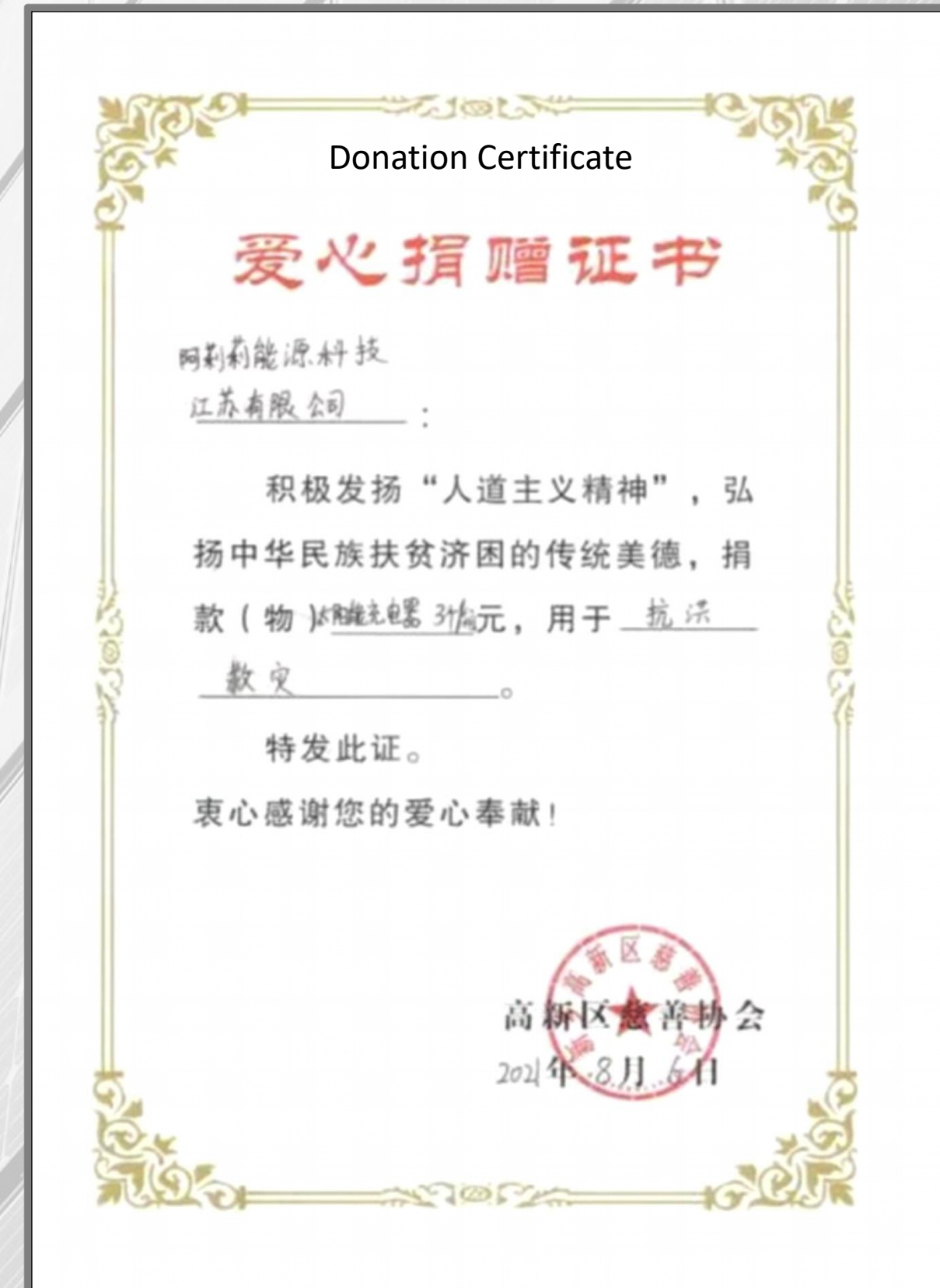
Location: Spain




The delivery time:
Mar,2021



On 24th July 2021, ALILY shipped 3 boxes of 30W portable solar chargers to Xinxiang, Henan, China. The region recently experienced a once-in-a-thousand-year flood, resulting in power outages for several days. Our solar chargers helped the local residents recharge their cellphones during the emergency.





ALILY
ENERGY



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