Leading Technology And Solution Provider
For New Energy & Energy Internet Industry

POWERING TOMORROW.TODAY

STRATTON ENERGY PTE LTD
140 Paya Lebar #09-13
Singapore 409015
www.STRATTON.energy

24-hour
counseling hotline

Website

STRATTON

EV Charging Solutions

GROW WITH PARTNERS AND

CONSTANT INNOVATIONS

CONTENTS

COMPANY INTRODUCTION 01-02

CORE ADVANTAGES 03-04

PRODUCT INTRODUCTION 05-16

Cactus 22KW Charging Station

Maple 50-80KW DC Fast Charging Station

Cypress 120-160KW Super-fast Charging Station

Oak 180-240KW Ultra-fast Charging Station

Sequoia 320-400KW Supergiant Charging Station

CERIFICATION & ACCREDITATION 17-18

CHARGING & SOLAR OPERATION SOLUTION CASE 19-20

COMPANY INTRODUCTION

Founded in 2023, Stratton Energy focuses on the research, development, production and sales of EV charger and energy storage systems, providing advanced EV charging piles, distributed energy, energy storage products and intelligent energy management solutions for households, industrial and commercial enterprises.

It is designed to help users more efficiently manage the whole process of new energy generation and storage, EV charging and electricity consumption, so as to improve energy efficiency and reduce energy consumption.

Stratton Energy has always adhered to the global development strategy, adhered to the global customer as the center, created value for our customers through innovative products, and provided green and efficient renewable energy solutions for the global market.

R&D Manufacturer of EV Charger and Charging Module

Overall Solution Provider of EV Charging Station

Pioneer of Energy storage inverter

Manufacturer of HVDC System

Achieve higher profits for 700 + charging operators

The total annual charging capacity have reached 160,000,000 + kW · h

ternational communication protocol

Time-saving

Fast charging

Power Saving

High conversion efficiency and low standby power consumption

High Safety

Dual protection to both manual operation and vehicles

High Reliability

High reliability and low failure rate with low operation and maintenance costs. Always available, easy to use and profitable.

High Efficiency

Efficient and power saving.
Low heat loss and heat dissipation.
Low overall power consumption and operating costs.

High Safety

Dual protection.
Active protective function.
No fire or electric shock risk.
Safety of network and supply.

Environment friendly

Low noise and easy to use.
Environment friendly.

Fast charging

Constant power output at different voltage and temperatures.
Fast charging capability in all scenarios.
Dispatching power according to different demand.

Intelligent

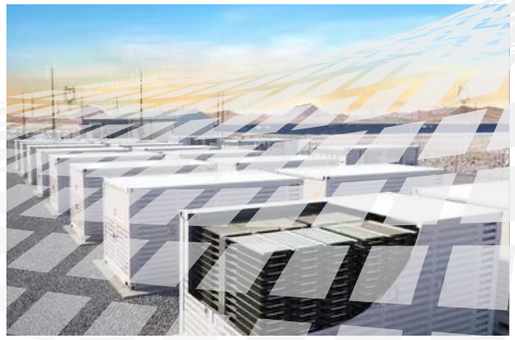
Intelligently connect multiple operating devices with information-based remote operation management.

CORE ADVANTAGES

Harsh environment	Excellent performance at high temperature with wide constant power range
Charging efficiency	Full load charging efficiency is higher than most others in the industry
Standby energy saving	Low standby power consumption, reducing operating costs
Applicable to all types of vehicles	Output power 100-1000V, applicable to all types of electric vehicles
Application scenarios	It is compatible with the design of DC charging module and has a wider application scenarios
Efficient and stable heat dissipation	Unique air duct design, small impedance, strong compression capacity, high heat dissipation efficiency, stable and reliable
Simple structure and layout	Simple and elegant structure layout,low and high voltage separate, AC/DC isolate small footprint
Waterproof and dustproof	Electrical and air duct arecompletely isolated, physical structure of waterproof design, high density dust net
UI customization	Customized appearance
Flexible power distribution	The power can be flexibly distributed according to the needs of each terminal's demand
Excellent noise reduction	Folded space design increases the sound-deadening area, which can cancel noise better

PRODUCT INTRODUCTION

Solar photovoltaic panels



Energy Storge

HOME Charging

Commercial and industrial
Charging piles

AC Charging Pile
22Kw Charging Station

Product description

Designed for destination charging where people don’ t rush in time but want to enjoy faster charging speed than AC charger. It fully meets the requirements of European standard of DC charging.

The product has multiple protection design and active protective function, which can monitor all communication data in the charging process then give early warning to all kinds of abnormal charging to ensure the safety of users and vehicles.

Application Scenarios

- Hotel
- Supermarket
- Residence community
- Shopping center
- Restaurant
- Public charging station
- Enterprises and institutions
- Industrial park

Item	Parameters
Model	**SEOUXA22KE**
Standard	EU
Power	22kW
Input Voltage/Output Voltage	400VAC
Input frequency	50/60Hz
Output current	16A/32A adjustable
Rated residual operating current	TypeA+DC6mA
Over temperature protection	≥95℃
Mean time between failure	MTBF≥8796h
Charging start mode	Plug and play,RFID,APP
APP/Communication	Support/WIFI、BLE、4G Optional
Relative humidity	5%~95% No condensation
Maximum altitude	2000m
Life time of connector	≥10000 times
Operating /Storage temperature	-30℃~+50℃/-40℃~+85℃
Cable length/Wiring method	5 meters (Customizable)/Enter and out at the bottom
Charging plug/socket	Separate from the Host
Connector type	IEC 62196-2 Type 2
Power Plug	EU (Standard)
Weight	9.8KG (cable not included)
Color	Silver gray/blue gray/light gray
Host dimension	261 x 486 x 140mm
Degree of protection	Charging Connector IP54,Host IP65/IK08

Electree Maple

50-80kW DC Fast Charging Station

Product Description

Designed for the European market, this product has more powerful data calculation and processing capacity, smarter dispatching strategy, better heat dissipation performance and lower noise, and fully meets the requirements of high-power DC charging of vehicles with European and Japanese standard DC interface.

The product has multiple protection design and active protective function, which can monitor all communication data in the charging process and give early warning to all kinds of abnormal charging to ensure the safety of users and vehicles.

Application Scenarios

- Taxi,online-hailing cars
- Bus
- Public charging station
- Residence community
- Customized shuttle bus
- Freight vehicles Special vehicles
- Enterprises and institutions
- Commercial complex

Item		Parameters		
Basic index				
	Model	SEOUXD50KE	SEOUXD60KE	SEOUXD80KE
	Rated power	50kW	60kW	80kW
	Dimensions (WxDxH)	800x550x1800mm		
	Weight (KG)	≤250KG(N.W.) / ≤300KG(G.W.)		
	Charging outlet	CCS2 / CHAdeMO(optional) , length: 5m/6m/7m/10m(optional)		
	HMI	10.1'' color touch screen		
	Energy meter	MID		
	Installation	Ground mounted		
Payment				
	Payment mode	RFID/Credit Card/Scan QR code (optional)		
Input				
	Voltage	400VAC±10%,3P+N+PE		
	Frequency	45Hz-65Hz		
	Current	123A		
	Power factor	⩾0.99		
	ITHD	＜5%		
Output				
	Voltage	200-1000Vdc		
	Current	CCS2 200A max. CHAdeMO 125A max.	CCS2 200A max. CHAdeMO 125A max.	CCS2 200A max. CHAdeMO 125A max.
	Power	CCS2 50kW max. CHAdeMO 50kW max.	CCS2 60kW max. CHAdeMO 60kW max.	CCS2 80kW max. CHAdeMO 62.5kW max.
	Max efficiency	＞95%		
	Charging way	Meantime		
Environment				
	Operating temperature	−30 ~ +50°C		
	Humidity	5%~90%RH, non-condensing		
	Altitude	≤2000m no derating required;>2000m,the working temperature decreases by 1 ° C for every 100m rise		
	Protection Grade	IP54		
	Application Site	Indoor/Outdoor		
	Cooling method	Intelligent air cooling		
	Noise	≦55dB		
Standards & certifications				
	EVSE	PLC (DIN 70121: 2014-12 / ISO15118)		
	Back-end protocol	Ethernet, 4G, OCPP 1.6J, OCPP 2.0 (upgradeable)		
	Certification	CE & CB & UKCA & TR25&ADQCC&RCM		

Electree Cypress

120-160kW Super-Fast Charging Station

Product Description

Designed for the European market, this product has more powerful data calculation and processing capacity, smarter dispatching strategy, better heat dissipation performance and lower noise, and fully meets the requirements of high-power DC charging of vehicles with European and Japanese standard DC interface.

The product has multiple protection design and active protective function, which can monitor all communication data in the charging process and give early warning to all kinds of abnormal charging to ensure the safety of users and vehicles.

Application Scenarios

- Taxi,online-hailing cars
- Bus
- Public charging station
- Residence community
- Customized shuttle bus
- Freight vehicles Special vehicles
- Enterprises and institutions
- Commercial complex

Item		Parameters		
Basic index				
	Model	SEOUXD120KE	SEOUXD150KE	SEOUXD160KE
	Rated power	120kW	150kW	160kW
	Dimensions (WxDxH)	850x610x2000mm		
	Weight (KG)	⩽350KG(N.W.) / ⩽400KG(G.W.)		
	Charging outlet	CCS2 / CHAdeMO(optional) , length: 5m/6m/7m/10m(optional)		
	HMI	10.1'' color touch screen		
	Energy meter	MID		
	Installation	Ground mounted		
Payment				
	Payment mode	RFID/Credit Card/Scan QR code (optional)		
Input				
	voltage	400VAC±10%,3P+N+PE		
	Frequency	45Hz-65Hz		
	Current	245A		
	Power factor	⩾0.99		
	ITHD	＜5%		
Output				
	Voltage	200-1000Vdc		
	Current	CCS2 200A max. CHAdeMO 125A max.		
	Power	CCS2 120kW max. CHAdeMO 62.5kW max.	CCS2 150kW max. CHAdeMO 62.5kW max.	CCS2 160kW max. CHAdeMO 62.5kW max.
	Max efficiency	＞95%		
	Charging way	Meantime		
Environment				
	Operating temperature	−30 ~ +50°C		
	Humidity	5%~90%RH, non-condensing		
	Altitude	⩽2000m no derating required;>2000m,the working temperature decreases by 1 ° C for every 100m rise		
	Protection Grade	IP54		
	Application Site	Indoor/Outdoor		
	Cooling method	Intelligent air cooling		
	Noise	⩽60dB		
Standards & certifications				
	EVSE	PLC (DIN 70121: 2014-12 / ISO15118)		
	Back-end protocol	Ethernet, 4G, OCPP 1.6J, OCPP 2.0 (upgradeable)		
	Certification	CE & CB & UKCA & TR25&ADQCC&RCM		

Electree Oak

180-240kW Ultra-fast charging station

Product Description

Designed for the European market, this product has more powerful data calculation and processing capacity, smarter dispatching strategy, better heat dissipation performance and lower noise, and fully meets the requirements of high-power DC charging of vehicles with European and Japanese standard DC interface.

The product has multiple protection design and active protective function, which can monitor all communication data in the charging process and give early warning to all kinds of abnormal charging to ensure the safety of users and vehicles.

Application Scenarios

- Taxi,online-hailing cars
- Bus
- Public charging station
- Residence community
- Customized shuttle bus
- Freight vehicles Special vehicles
- Enterprises and institutions
- Commercial complex

Item		Parameters	
Basic index			
	Model	SEOUXD180KE	SEOUXD240KE
	Rated power	180kW	240kW
	Dimensions (WxDxH)	850x800x2000mm	
	Weight (KG)	⩽450KG(N.W.) / ⩽550KG(G.W.)	
	Charging outlet	CCS2 / CHAdeMO(optional) , length: 5m/6m/7m/10m(optional)	
	HMI	10.1'' color touch screen	
	Energy meter	MID	
	Installation	Ground mounted	
Payment			
	Payment mode	RFID/Credit Card/Scan QR code (optional)	
Input			
	Voltage	400VAC±10%,3P+N+PE	
	Frequency	45Hz-65Hz	
	Current	368A	
	Power factor	⩾0.99	
	ITHD	＜5%	
Output			
	Voltage	200-1000Vdc	
	Current	CCS2 300A max. CHAdeMO 125A max.	
	Power	CCS2 180kW max. CHAdeMO 62.5kW max.	CCS2 240kW max. CHAdeMO 62.5kW max.
	Max efficiency	＞95%	
	Charging way	Meantime	
Environment			
	Operating temperature	−30 ~ +50°C	
	Humidity	5%~90%RH, non-condensing	
	Altitude	⩽2000m no derating required;>2000m,the working temperature decreases by 1 ° C for every 100m rise	
	Protection Grade	IP54	
	Application Site	Indoor/Outdoor	
	Cooling method	Intelligent air cooling	
	Noise	≦65dB	
Standards & certifications			
	EVSE	PLC (DIN 70121: 2014-12 / ISO15118)	
	Back-end protocol	Ethernet, 4G, OCPP 1.6J, OCPP 2.0 (upgradeable)	
	Certification	CE & CB & UKCA & TR25&ADQCC&RCM	

Electree Sequoia

320-400kW Charging station

Product Description

Designed for the European market, this product has more powerful data calculation and processing capacity, smarter dispatching strategy, better heat dissipation performance and lower noise, and fully meets the requirements of high-power DC charging of vehicles with European and Japanese standard DC interface.

The product has multiple protection design and active protective function, which can monitor all communication data in the charging process and give early warning to all kinds of abnormal charging to ensure the safety of users and vehicles.

Application Scenarios

- Taxi,online-hailing cars
- Bus
- Public charging station
- Residence community
- Customized shuttle bus
- Freight vehicles Special vehicles
- Enterprises and institutions
- Commercial complex

Item		Parameters	
Basic index			
	Model	SEOUXD320KE	SEOUXD400KE
	Rated power	320kW	400kW
	Dimensions (WxDxH)	850x1100x2150mm	
	Weight (KG)	≤600KG(N.W.) / ≤750KG(G.W.)	
	Charging outlet	CCS2 / CHAdeMO(optional) , length: 5m/6m/7m/10m(optional)	
	HMI	10.1'' color touch screen	
	Energy meter	MID	
	Installation	Ground mounted	
Payment			
	Payment mode	RFID/Credit Card/Scan QR code (optional)	
Input			
	Voltage	400VAC±10%,3P+N+PE	
	Frequency	45-65Hz	
	Current	614A	
	Power factor	⩾0.99	
	ITHD	＜5%	
Output			
	Voltage	200-1000Vdc	
	Current	CCS2 300A max. CHAdeMO 125A max.	
	Power	CCS2 320kW max. CHAdeMO 62.5kW max.	CCS2 400kW max. CHAdeMO 62.5kW max.
	Max efficiency	＞95%	
	Charging way	Meantime	
Environment			
	Operating temperature	−30 ~ +50°C	
	Humidity	5%~90%RH, non-condensing	
	Altitude	⩽2000m no derating required;>2000m,the working temperature decreases by 1 ° C for every 100m rise	
	Protection Grade	IP54	
	Application Site	Indoor/Outdoor	
	Cooling method	Intelligent air cooling	
	Noise	≦70dB	
Standards & certifications			
	EVSE	PLC (DIN 70121: 2014-12 / ISO15118)	
	Back-end protocol	Ethernet, 4G, OCPP 1.6J, OCPP 2.0 (upgradeable)	

Cerification & Accreditation

ACCREDITATION CERTIFICATE

Testing Laboratory

No. ATL 0031

SGS-CSTC Standards Technical Services (Shanghai) Co. Ltd.

588 West Jindu Road, Xinqiao, Songjiang, 201612 Shanghai, China

is accredited by the GCC Accreditation Center (GAC) in accordance with the recognised International Standard ISO/IEC 17025:2017: "General requirements for the competence of testing and calibration laboratories"

A laboratory's fulfillment of the requirements of ISO/IEC 17025 means the laboratory meets both the technical competence requirements and management system requirements that are necessary for it to consistently deliver technically valid test results. The management system requirements in ISO/IEC 17025 are written in language relevant to laboratory operations and operate generally in accordance with the principles of ISO 9001 (refer to joint ISO-ILAC-IAF communiqué, April 2017).

This accreditation demonstrates technical competence for a defined scope, as detailed in and at the locations specified in the scope of accreditation, the accreditation scope to this certificate is an essential accreditation document and from time to time may be revised and reissued by the GCC Accreditation Center. The most recent issue of the scope of accreditation which bears the same accreditation number as this certificate, is available from the GAC website www.gcc–accreditation.org

The accreditation is subject to continuing conformity with GAC Accreditation requirements and the status of accreditation can be checked in the GAC's website to confirm the validity of this accreditation.

Issue Date: 07 August 2019

Internal project number: AC 0005-5
Initial Accreditation Date: 05 June 2016

AC.10.10 v1.3

Director General, GCC Accreditation Center.

TEST REPORT

TR 25-3: 2022

Electric vehicles charging system

-Part 3：High power charging

Report Number	SHES2402003391O1-02
Accreditation Certificate of Testing Laboratory	No. ATL 0031
Date of issue	2024-02-22
Total number of pages	24 Pages
Applicant's name	STRATTON ENERGY PTE LTD
Address	140 PAYA LEBAR ROAD#09-13 AZ@PAYA LEBAR SINGAPORE(409015)
Test specification:	
Standard	TR 25-3: 2022
Non-standard test method	N/A
Test Report Form No.	EEC_TR 25-3 A
Test Report Form(s) Originator	SGS-CSTC
Test item description	EV DC Charging Station
Trade Mark	STRATTON
Manufacturer	Same as Applicant
Model/Type reference	See SGS Report No.: SHES2402003391O1-01
Ratings	See SGS Report No.: SHES2402003391O1-01

Member of the SGS Group (SGS SA)
TRF No. EEC_TR 25-3 B

TEST REPORT

TR 25-1: 2022

Technical Reference for Electric Vehicle Charging System

-Part 1：Electrical safety and general requirements

Report Number	SHES2402003391O1
Accreditation Certificate of Testing Laboratory	No. ATL 0031
Date of issue	2024-02-22
Total number of pages	139 Pages
Applicant's name	STRATTON ENERGY PTE LTD.
Address	140 PAYA LEBAR ROAD#09-13 AZ@PAYA LEBAR SINGAPORE(409015)
Test specification:	
Standard	TR 25-1: 2022
Non-standard test method	N/A
Test Report Form No.	EEC_TR 25-1 A
Test Report Form(s) Originator	SGS-CSTC
Test item description	EV DC Charging Station
Trade Mark	STRATTON
Manufacturer	Same as Applicant
Model/Type reference	See Page 8 to 15
Ratings	See Page 8 to 15

Member of the SGS Group (SGS SA)
TRF No. EEC_TR 25-1 B

ACCREDITATION SCHEME FOR PRODUCT CERTIFICATION BODIES

Singapore Accreditation Council

Number : PD-2016-15

Date of Issue : 22 March 2021

Date of Expiry : 11 August 2024

Certificate of Accreditation

This certifies that

SGS Testing & Control Services Singapore Pte Ltd
30 Boon Lay Way
#03-01
Singapore 609957

is accredited by the Singapore Accreditation Council to

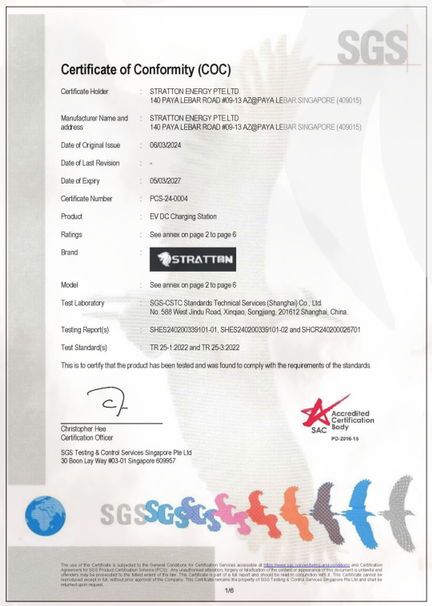
ISO/IEC 17065:2012 Conformity assessment - Requirements for bodies certification products, process and services

for specific scope as detailed in the attached schedule.

Chairman

This Certificate is awarded subject to the organisation's compliance with the stated criteria and terms and conditions laid down by the Singapore Accreditation Council.

This Certificate may not be reproduced except with the written permission of the Chairman.



SGS

Certificate of Conformity (COC)

Certificate Holder	:	STRATTON ENERGY PTE LTD. 140 PAYA LEBAR ROAD #09-13 AZ@PAYA LEBAR SINGAPORE (409015)
Manufacturer Name and address	:	STRATTON ENERGY PTE LTD. 140 PAYA LEBAR ROAD #09-13 AZ@PAYA LEBAR SINGAPORE (409015)
Date of Original Issue	:	06/03/2024
Date of Last Revision	:	-
Date of Expiry	:	05/03/2027
Certificate Number	:	PCS-24-0004
Product	:	EV DC Charging Station
Ratings	:	See annex on page 2 to page 6
Brand	:	STRATTON
Model	:	See annex on page 2 to page 6
Test Laboratory	:	SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd. No. 588 West Jindu Road, Xinqiao, Songjiang, 201612 Shanghai, China.
Testing Report(s)	:	SHES2402003391O1-01, SHES2402003391O1-02 and SHCR2402000267O1
Test Standard(s)	:	TR 25-1:2022 and TR 25-3:2022

This is to certify that the product has been tested and was found to comply with the requirements of the standards.

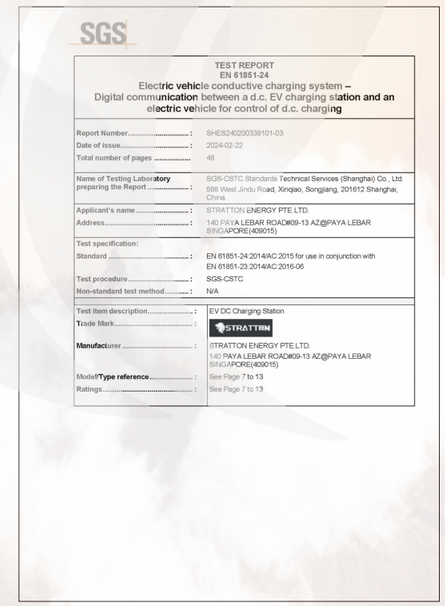
Christopher Hee
Certification Officer

SGS Testing & Control Services Singapore Pte Ltd
30 Boon Lay Way #03-01 Singapore 609957

Accredited Certification Body SAC PD-2016-15

The use of this Certificate is subjected to the General Conditions for Certification Services accessible at http://www.sgs.com/en/terms-and-conditions and Certification Agreement for SGS Product Certification Scheme (PCS). Any unauthorised alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. This Certificate is a part of a full report and should be read in conjunction with it. This Certificate cannot be reproduced except in full, without prior approval of the Company. This Certificate remains the property of SGS Testing & Control Services Singapore Pte Ltd and shall be returned upon request.

1/6



SGS

TEST REPORT
EN 61851-24
Electric vehicle conductive charging system – Digital communication between a d.c. EV charging station and an electric vehicle for control of d.c. charging

Report Number	:	SHES2402003391O1-03
Date of issue	:	2024-02-22
Total number of pages	:	48
Name of Testing Laboratory preparing the Report	:	SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd. 588 West Jindu Road, Xinqiao, Songjiang, 201612 Shanghai, China
Applicant's name	:	STRATTON ENERGY PTE LTD.
Address	:	140 PAYA LEBAR ROAD#09-13 AZ@PAYA LEBAR SINGAPORE(409015)
Test specification:		
Standard	:	EN 61851-24:2014/AC:2015 for use in conjunction with EN 61851-23:2014/AC:2016-06
Test procedure	:	SGS-CSTC
Non-standard test method	:	N/A
Test item description	:	EV DC Charging Station
Trade Mark	:	STRATTON
Manufacturer	:	STRATTON ENERGY PTE LTD. 140 PAYA LEBAR ROAD#09-13 AZ@PAYA LEBAR SINGAPORE(409015)
Model/Type reference	:	See Page 7 to 13
Ratings	:	See Page 7 to 13

Charging Operation Solution Case

Thailand

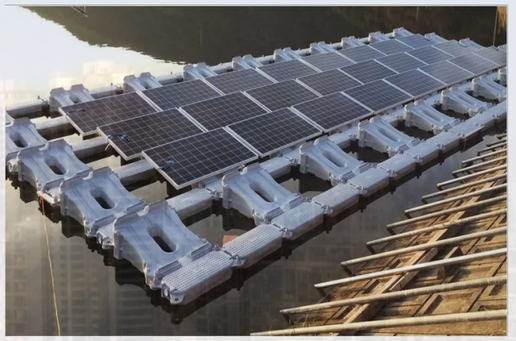
Malaysia

Japan

China.ShenZhen

Solar Operation Solution Case

Thailand



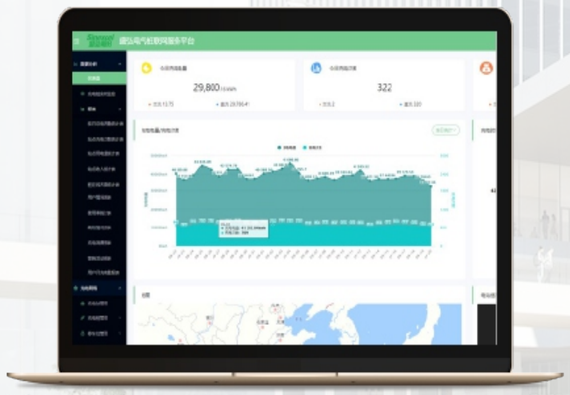
Malaysia

Vietnam

China.HeBei

Cloud Platform & OTA Upgrading

Stratton YC official account
Convenient charging
One click to start charging
Charging tool at the driver user end



Stratton YC management platform
Efficient operation
Realizing remote monitoring and management
PC + mobile applet management end

Cooperation Partners

NTT · dtac · BSB · FIBRE3BB · bangchak
Sinexcel · Winline Technology · YOTAI · HUAWEI · TOPBAND 拓邦
DHL WORLDWIDE EXPRESS · 国家电网 STATE GRID · CATL 宁德时代 · BYD · TEXHONG
BRETON 博盾顿 · 小桔充电 · EVE · ENVISION · JINMAO 中国金茂

STRATTON POWERING TOMORROW.TODAY

Thanks!

www.Stratton.energy