Sinexcel × Powered by LINKED CHARGE

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Brochure Download
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EV CHARGING SOLUTION

Everything about
profitability and charging experience

Sinexcel × Powered by LINKED CHARGE

ABOUT LINKEDCHARGE

Linked Charge is one of the very first technologies companies dedicated to provide smart and data driven solution for e-Mobility. The core technology has been serving customers since 2017. It's headquarter resides in Hong Kong with branch offices in Shanghai, Shenzhen and Zhongshan, China.

Our business solution creates an eco-system from charging experience to analyzing data for ESG needs. We add value to your business to drive up traffic and profit while shortening your ROI.

Linked Charge E-Mobility OS platform suite and intelligent hardware offers a complete EV charging solution for EV drivers and operators. The platform integrates different type of connected Smart Charge Points that are suitable for green residential and/or commercial buildings, individual homes, shopping mall, SME in EV-servicing retail.

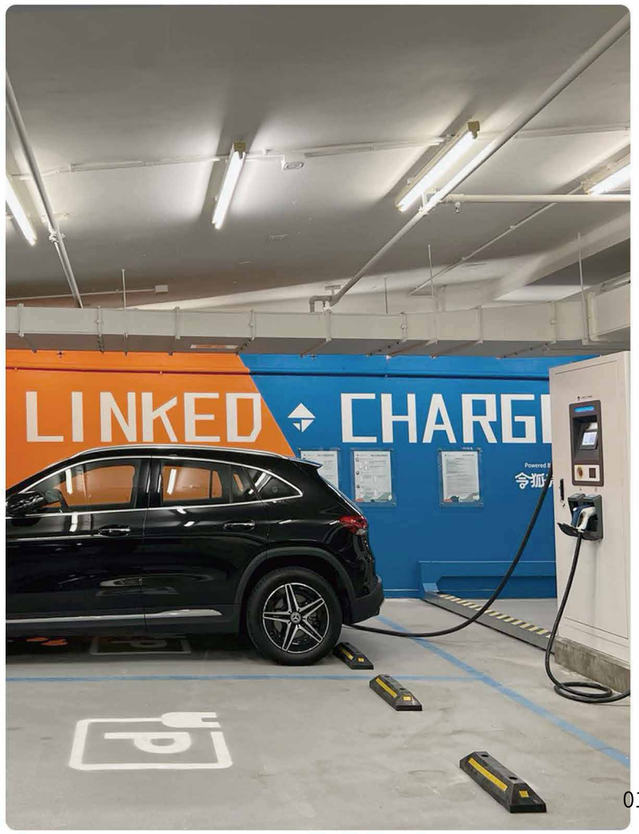
534,069,764
Total Charges
(kWh)

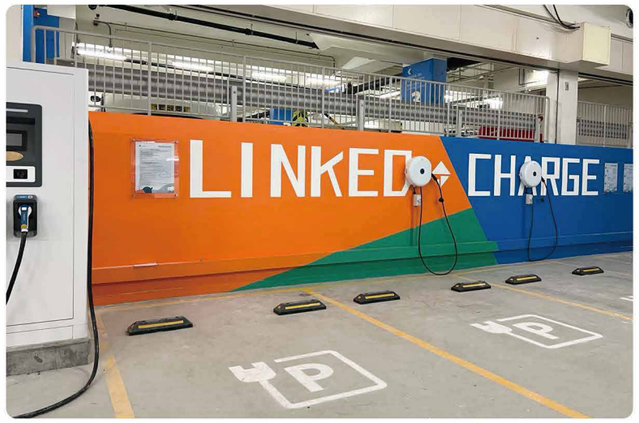
13,788,098
Number of Charges

224
Coverage
(City Area)

532,467
Carbon Footprint Reduction
(metric tons CO2-e)

Figures as of 8 Nov 2022





ABOUT SINEXCEL

Founded in 2007, Sinexcel Electric Co., Ltd. completed the IPO in 2017 with stock code 300693. Headquartered in Shenzhen, China, the company's business integrates product development, manufacturing, sales and service. It is a national high-tech enterprise in Shenzhen and an ISO9001 quality system certification enterprise. Sinexcel is also a world-class EV charger company, with leading product technology capabilities, package capabilities, business development capabilities. At present, Sinexcel has set up factories and R&D centers in many cities in China and in the United States.

12+ years
Experience in R&D and production of EV charger.

55+ countries
Coverage of international business operation.

100+ kinds
Unique charging control technology.

170 million USD
Company market value.

1,200 employees
Including 350 R&D engineers, 300 customer and business employees.

40,000 DC chargers
From 45 to 480kW, meet different customer needs.

SINEXCEL EV CHARGER PRODUCT OVERVIEW

SEC 80kW Integrated DC charger

SEC 160kW Integrated DC charger

SEC 240kW Integrated DC charger

SEC 480kW Distributed charger

Interstellar AC charger

MIRA AC CHARGER

SER100020K2C 20kW Power Module

SER100040K3B 40kW Power Module

INTERSTELLAR AC CHARGER

Product Profile

The correct choice for your business and home charging. With latest design can compatible with all EV cars. Its fashion design makes it attractive while functionality and also makes charging your EV at work place or home a breeze with the reliable. The Interstellar is one smart AC charger designed to change your life.

Specifications

Interstellar EV AC Charger			
Rated power	7kW	11kW	22kW
Input/output voltage	Single-Phase 230V	Three-Phase 400V	Three-Phase 400V
Input/output current	32A	16A	32A
Weight	5KG	7.5KG	7.5KG
Dimensions	W406*H450*D162		
Frequency	50/60Hz		
Connector	Type1, Type2		
Cable length	5m		
Charging status information	LED		
Authorization	Plug and Charge/NFC/RFID/APP(optional)		
Metering	MID Meter		
Communication method	OCPP 1.6J(upgradable)		
Protection function	Over current protection, over/under voltage protection, over temperature protection, lighting protection, short circuit protection, etc.		
Protection rating	IP65/IK10		
Operation temperature	-30°C~+55°C		
Operation altitude	≤2000m		
Relative humidity	5%-95%		
RCD	TypeA+DC 6mA		
EMC	Class B		
Certification	CE/TR25/TUV Mark/RCM/KC/UKCA		

Highlights

Innovative appearance

User-friendly design

High charging experience

MIRA AC CHARGER

Product profile

Using socket and smaller size design, Sinexcel Mira AC charger can output at max.7 kW so that it will be more suitable to the residential usage. It is friendly to users with its simple design and operation which makes it easier to install, maintain and control. Mira is also designed to save power consumption and energy cost, just enjoy the convenient use of Mira AC charger.

Specifications

MIRA EV AC Charger	
Rated power	7KW
Input/output current	32A
Input/output voltage	Single-Phase 230V
Frequency	50Hz
Standby power consumption	≤3W
Connector type	IEC Type 2
Cable length	5m(3m,7m optional)
Emergency stop	Support
RCD	TypeA 30mA+DC 6mA
Charging status information	LED
Metering	Integrated into the control board (optional)
Operation temperature	-30°C — +55°C
Relative humidity	5%—95%
Operation altitude	<2000m
Installation method	Wall-mounted/Floor-mounted
Protection function	Over current protection, over/under voltage protection, over temperature protection, lighting protection, short circuit protection, etc.
Protection rating	IP65/IK10
EMC	Class B
Certification	CE、TR25、RCM、TUV mark
Function extension	Support external CT, PV interface(RS485), DLM system, monitor charging data in real-time
Earth fault protection	Support
Supply system	TN-CS, TN-C, TN-S, IT, TT
Connectivity	Wi-Fi, Bluetooth, 4G
Wired communication	LAN, RS485
Communication protocol	OCPP1.6 (can be updated to 2.0)
Cable type(socket/connector)	Both
Platform	Support(control via APP)

Features

Monitor and remote control

Monitor charging data in real-time and control the charger everywhere

Smart charging

Support DLM system and APP control to manage your charger for better charging experience

Safe charging

Integrated safety functions, high level protection rating to ensure safety of device and user

Cost effectively

Less than 3W standby power, lower electricity consumption

Socket ver.

The design of socket charging can protect the cable from external impact

SEC 80kW INTEGRATED DC CHARGER

Product Profile

Equipping with self-developed power module, it can output high charging power (80kW) with high efficiency (≥96%). The output voltage of it can realize a wide range of 200~1000Vdc, which can meet most of EVs in the market and support high voltage charging. Using a new design, this charger can also support AC charging so that one parking can support three EVs charging simultaneously.

Highlights

Support high power charging

The Sinexcel 80kW DC charger support at maximum 80kW power charging and system can output at maximum 200A current

Support DC and AC charging simultaneously

There is an AC charging connector in this DC charger, which realizes the AC charging (22kW) and charges for three EVs at the same time

High efficiency

Equipping with high performance power module (SER 100020K2C), the DC charger can output the power greater than 96%

Small floor space

The DC charger takes small space, which is friendly for the customer

Specifications

Category	Item	Parameter
Input Characteristic	Input type	3P+N+PE
	Input voltage	400Vac±10%
	Input frequency	50~60Hz
	THDi	<5%
	Power factor	0.99
Output Characteristic	Output power	80kW DC+22kW AC
	Maximum output current	200A @CCS
	Output voltage	200-1000V
	Connector type	CCS, CHAdeMO, Type 2
	Peak efficiency	96%
Environment & Appearance	Temperature	-25°C~65°C
	Humidity	5%~95%
	Dimensions	2030*850*450mm
	Structure	304 Stainless steel
Others	Payment	RFID/Credit/QR code
	Standby power	<0.1% max power
	Network method	Ethernet/4G
	IP/IK degree	IP55/IK10
	Certification	CE, TUV, UKCA, TR25, RCM

60～160kW INTEGRATED DC CHARGER

Product Profile

SEC DC FAST Charger Series outdoor DC integrated charger adopts a new generation of 20KW intelligent charging module, single and double guns can be arbitrarily selected according to customer needs. The dual-gun type can be distributed, according to the actual charging demand to meet the charging needs of small and medium-sized passenger cars and logistics vehicles.

Highlights

Flexible configuration

60 kW~160kW multiple power configuration methods to meet customer customization needs

Efficient charging

Wide voltage range, large charging current, reduced charging queue time, improved operational efficiency

Safe and reliable

Complete protection to meet the latest national and industry standards

Ultra low energy consumption

Low power loss during operation and standby, effectively reducing customer operating costs

Cloud management

Support cloud management to provide customers with more convenient and intimate charging operation management solutions

Convenient payment

Support for payment methods such as Visa, Master card, RFID card, mobile payment etc

Specifications

Category	Item	Parameter
Input Characteristic	Input type	3P+N+PE
	Input voltage	AC 380±15%
	Input frequency	50-60HZ
	THDi	<5%
	Power factor	0.99
Output Characteristic	Output voltage	100-1000V
	Rated power	60-160kW
	Maximum current	CCS2：200A; optional JAP:125A
	Peak efficiency	96%
	Connector type	IEC 62196
Environment & Appearance	Cooling method	Forced air cooling
	Operating temperature	-25~65 °C(Above 45°C derating operation)
	Humidity	5%~95%
	Altitude	<2000m
Others	Energy meter	DC Meter(Eichrecht certified)
	Number of connectors	2(CCS2) Two connectors can be used at the same time: power split evenly.Only one connector: full power
	Network Interface	LAN Port(4G optional)
	Size(W*D*H)	W1000*D700*2000 mm
	Protection level	IP55/IK10
	Cable length	5m(total, outside charger 4.5m)
	Communication protocol	OCPP1.6J
	Display screen	7 inch HD touch screen
	Method of payment	APP/RFID/Mobile phone (Optional)
	Language	English
	System standards	IEC 61851

SEC 240kW INTEGRATED DC CHARGER

Product profile

SEC 240kw integrated charger is an integrated EV charger providing 240kw DC output with two connectors.

Highlights

High power capacity
Power output up to 240kw flexibly distributed to two connectors

Fast charging
500A cable supports charging an EV from 20% to 80%soc within 10min

Specifications

Category	Item	Parameter
Input Characteristic	Input type	3P+N+PE
	Voltage range	380–400V
	Frequency	50/60Hz
	THDi	⩽5%
	Power factor	0.99
	Power supply	TT/TN–S/TN–C–S
Output Characteristic	Output voltage	200-1000V(CCS)200-500V(CHAdeMO)
	Rated power	240kW
	Maximum current	200A(300A Optional)
	Standby consumption	⩽100W
	Numbers of connectors	2
	Connector type	CCS1/CCS2/CHAdeMO
	Peak efficiency	96%
Environment & Appearance	Operation temperature	-25~65°C, over 50 °C derating
	Storage temperature	-40~70°C
	Humidity range	0~95%,no condensation
	Altitude	⩽2000m
Others	EV protocol	ISO15118
	Backend protocol	OCPP1.6J
	Payment method	APP, ISO15118, PnC, password, RFID
	Dimensions	850*750*2000mm
	Communication type	Ethernet/Wi-Fi/4G
	Screen	15-inch LCD touch screen
	Language	EN/KC/CN
	Protection level	IP55, Ik10
	Protection type	Over/under voltage protection, over current protection, over temperature protection, short-circuit protection, reverse charging protection, leakage protection, surge protection, emergency stop, etc.
	Cable management	Yes
	Audio	Yes
	Weight	⩽600kg
	Customized function	Tilt protection, flood protection, fire protection, heater
	Noise level	⩽75dB
	Standards	IEC61851 IEC62196 IEC61000

Cable management
Cable management device provided making charging process easier and protect the cables

Dynamic load distribution
Power distributed to two connectors controlled by algorithm realizes intelligently EV charging

HMI with good user experience
High resolution large LCD touch screen with audio function

Easy for maintenance
Modular design saves maintenance time and OTA update is available

SEC 480kW DISTRIBUTED CHARGER

Product Profile

SEC 480kW distributed charger includes power bank and user terminal, one power bank can support up to 3 user terminals with 6 charging connectors. The distributed charger uses intelligent distribution algorithm to dynamically allocate the power according to different needs of vehicles.

Power Bank

User Unit

CCS 200A+CCS 500A

User Unit

CCS 200A+CCS 200A

User Unit

CCS 500A+CHAdeMO 200A

Highlights

Low noise

User terminal suitable for noise-sensitive areas such as hospital, hotel, and residential areas

Fast charging

Maximum charging current up to 500A, 10 minutes charging, 400 kilometers driving

Flexible configuration

Upgradable user terminal and power bank. Connector can be transformed from air-cooling to liquid cooling and modules can be added to 360kW power bank to expand capacity to 480kW

High power capability

Each bank up to 480kW output, support 3 charging stations with 6 connectors

Easy maintenance

Only need to clean dust in the power bank which makes the distributed charger easy to maintenance

Intelligent distribution algorithm

Multiple user terminals intelligently sharing power of the same power bank and each vehicle can be charged at "maximum" power

Specifications

General	
Category	**Parameter**
IP rating	Ip55
IK rating	Ik10
Protection	Input over voltage protection, output under voltage protection, short circuit protection, over current protection, over temperature protection, surge protection, emergency stop protection, etc.
Ambient temperature	-25°C ~ +65°C
Rh	5% ~ 95%
Altitude	≤2000m
Communication	LAN/4G/Wifi
Protocol	OCPP1.6J (upgradable)
Indication	LED & User interface on user unit
Compliance and certification	IEC 61851, ISO 15118. Comply with CE and UKCA
EMC	Class A

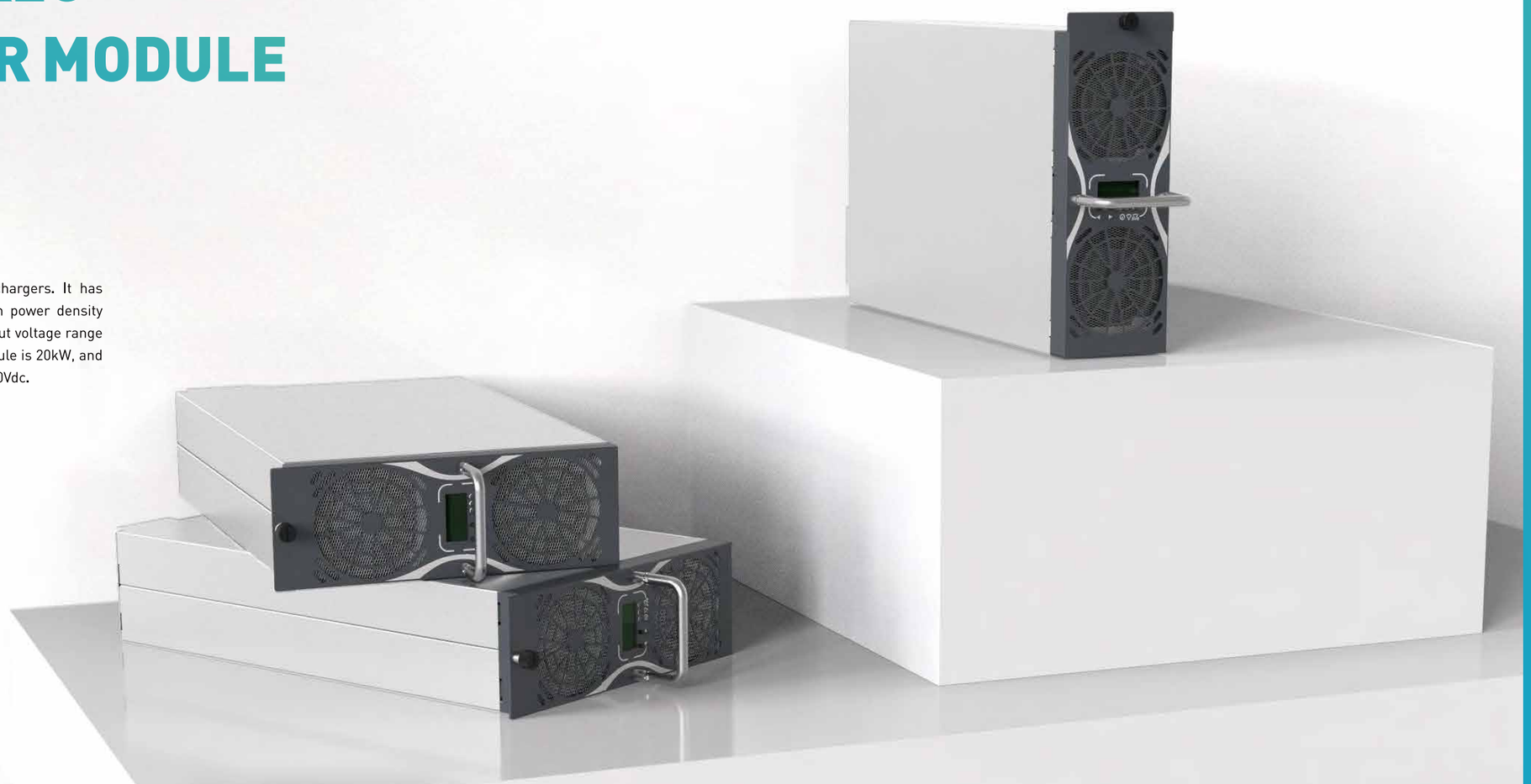
Power bank	
Category	**Parameter**
Input voltage	400Vac±10%
Input type	3P+N+PE
Frequency	45~65Hz
Power factor	0.99
Peak efficiency	96%
Power output	Flexible power output, Max output 480kW
Maximum output current	1600A
Dimension	W1400*D1000*H2100mm
Weight	≤850kg

User unit	
Category	**Parameter**
Output voltage	200~1000V
Maximum no. of connector	6
Maximum current per connector	CCS2: 500A(liquid cooled)/200A(convention cooled)CHAdeMO: 200A
Cable length	3.5m(CCS liquid cooled)/ 5m(convention cooled)
Load sharing	Flexible load distribution according to user requirements
Payment method	Visa/Master/RFID/Apple Pay etc.
Dimension	W750*D400*H2100mm
Weight	≤225kg

SER100020K2C
20kW POWER MODULE

Product Profile

SER1000V 20kW is specially developed for EV DC chargers. It has advantages of high efficiency, high power factor, high power density and high reliability. AC input is 3 phase 4 wire, DC output voltage range from 200-1000 Vdc. The rated output power of the module is 20kW, and it can output at constant power in the range of 300-1000Vdc.



Certification

Highlights

100-1000V
Output voltage range

300-1000V
Constant power output range

67A
Maximum output current

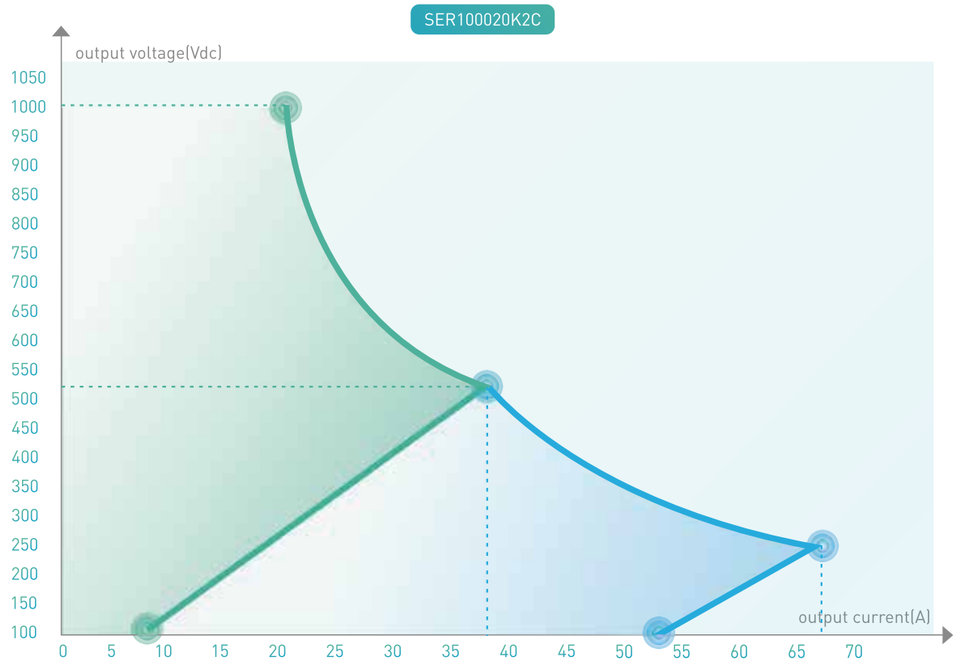
THDi ≤5%, PF up to 0.99
Perfect power quality

Specifications

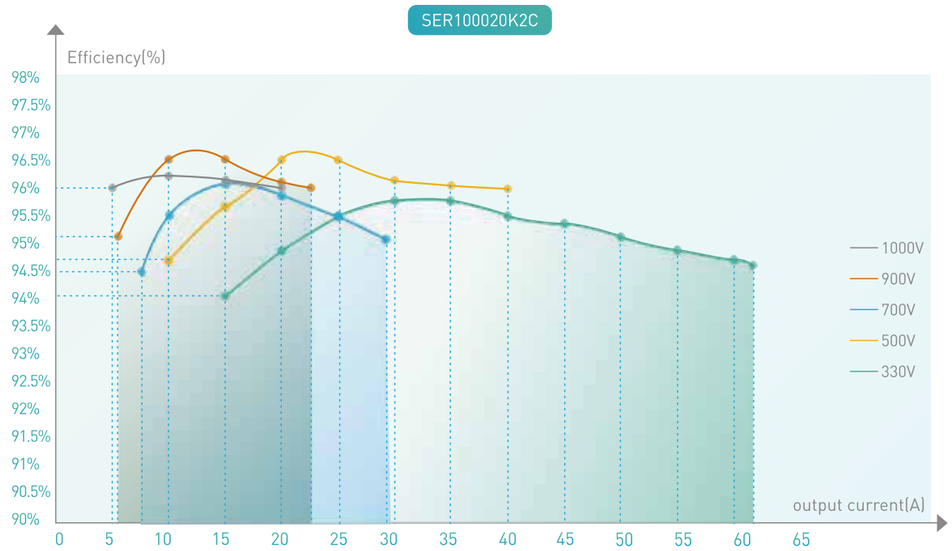
	Model	SER100020K2C
Basic indicators	Equipment dimensions	411mm*238mm*86mm
	Weight of equipment	≤10 kg
	Heat dissipation mode	Forced air cooling
	Communications	CAN
Input characteristics	Input voltage	268-480Vac
	Voltage system	three-phase four-wire system
	Input current	≤40A
	Input frequency	45-65 Hz
	Power factor	≥0.99
	Harmonic current	THDi＜5%
Output characteristics	Maximum output power	20kW
	Output voltage	200-1000Vdc(support power output≤200V)
	Output constant power range	300-1000Vdc
	Maximum output current	67A
	Efficiency	≥96.5%
Environmental indicators	Altitude	≤2000m
	Noise	≤65dB
	Working temperature	-25℃-65℃, above 45℃ derating
	Working humidity	0-95%

Output Curve

01
Output feature
output current/output voltage



02
Efficiency



SER100040K3B
40kW POWER MODULE

Product Profile

SER100040K3B module adopts three-level LLC technology, which has the advantages: high efficiency 97%, environment adaptability -40°C-75°C, high power density, high reliability, module DC output voltage range is 50-1000Vdc, rated output power is 40 kW. The range of constant power output is 300-1000Vdc.

2022.09

2022.09

Highlights

50-1000V
Output voltage range

300-1000V
Constant power output range

133A
Maximum output current

-40°C~75°C
Environment adaptability

≥97%
High efficiency

THDi ≤5%, PF up to 0.99
Perfect power quality

Specifications

	Model	SER100040K3B
Basic indicators	Equipment dimensions	459mm*360mm*85mm
	Weight of equipment	≤20 kg
	Heat dissipation mode	Forced air cooling
	Communications	CAN
Input characteristics	Input voltage	285~475Vac
	Voltage system	three-phase four-wire system
	Input current	≤80A
	Input frequency	45-65 Hz
	Power factor	≥0.99
	Harmonic current	THDi<5%
Output characteristics	Maximum output power	40kW
	Output voltage	50-1000Vdc
	Output constant power range	300-1000 Vdc
	Maximum output current	133A
	Efficiency	≥97%
Environmental indicators	Altitude	≤2000m
	Working temperature	-40°C-75°C, above 55°C derating
	Working humidity	0-95%

Output Curve

Output feature
output current/output voltage

Efficiency