

SINEXCEL

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SINEXCEL



EV CHARGING SOLUTION

Everything about
profitability and charging experience

ABOUT SINEXCEL

Established in 2007, Shenzhen Sinexcel Electric Co., Ltd went public on the ChiNext market in 2017 under the stock code 300693. Headquartered in Shenzhen, the company has established manufacturing bases in Huizhou and Suzhou, an R&D center in Xi'an, and subsidiaries in multiple overseas locations.

Sinexcel specializes in smart power energy solutions, with a primary focus on e-mobility products such as power modules, DC chargers, and AC chargers. Dedicated to serving electric vehicle users, Sinexcel offers convenient charging solutions to streamline the charging process. With our slogan "Everything about profitability and charging experience," Sinexcel provides smart, stable, efficient, and multiple application scenarios comprehensive solutions.

14+
years

Experience in R&D and production of EV charger.

55+
countries

Coverage of international business operation.

100+
kinds

Unique charging control technology.

2
billion USD

Company market value.

2,800+
employees

Including 600 R&D engineers, 400 customer and business employees.

100,000+
chargers

From 7 to 480kW, meet different customer needs.



SINEXCEL EV CHARGER PRODUCT OVERVIEW



SEC 30kW Series
DC charger



SEC 80kW Integrated
DC Charger



SEC 160kW Integrated
DC Charger



SEC 240kW Integrated
DC Charger



SEC Distributed Series
DC Charger



SEC 160kW - UL



SEC 240kW - UL



SEC 480kW - UL



Izar-CE



SER100020K2C 20kW
Power Module



SER100030K3C 30kW
Power Module



SER100040K3B 40kW
Power Module

Facilities all over the world >>>

Middle East Warehouse
&Service Support

Istanbul, Turkey

European Headquarter

Dusseldorf, Germany

R&D Center

Xi'an, China

Office

Pune, India

Factory

Suzhou, China

Branch Office

Seoul, South Korea

Factory

Huizhou, China

Global R&D and
Manufacturing Hub Headquarter

Shenzhen, China

Branch Office

Singapore

Oceania Service&Support

Queensland, Australia

Pan-America
Service&Support

California, USA

SEC 30kW SERIES DC CHARGER

Product Profile >>>

Adopting outstanding industrial modular design, the SEC 30kW Series DC charger is an ideal solution for Destination Charging (residential complexes, commercial parking lots), seeking a reliable and cost-effective charging infrastructure for electric vehicles. With its advanced user-friendly design and smart function, SEC 30 can offer convenient and stable charging experience.



Specifications >>>

30kW Integrated Charger		
Input Characteristic	Input voltage range	400(±10%) @ 50 Hz
	Input type	3P+N+PE
	Max input current	55A
	Max input power	32kW
	Power factor	0.99
	THDi	≤ 5%
	Grounding type	TN-S, TN-CS
Output Characteristic	Connector options	Single connector, CCS2
	Output voltage	CCS2 : 200-1000V
	Maximum output current	CCS2: 80A
	Rated power	DC: 30kW
	Peak efficiency	97%
Environment & Appearance	Operational altitude	<2000m
	Operating temperature	-25-65°C [Above 50°C derating operation]
	Temperature derating	Up to 50°C: 100% output power, 50-65°C interval, linear power limit, 65°C or more, module shutdown protection.
	Storage temperature range	-30°C to +70°C
	Humidity	5%-95% Rh non-condensing
Structure	IP and IK rating	IP55/ IK10
	Dimensions	W550mm*H700mm*D200mm
	Weight	≤ 65 kg
	Communication interface	Ethernet/GSM, 4G
Others	Language	English
	Communication protocol	OCPP1.6J, OCPP2.0.1
	Cooling method	Air cooled
	Payment mothod	QR Code/RFID/NFC/Credit card (optional)
	EMC	Class A (industrial)
	Display screen	8-inch

Highlights >>>



User-friendly Design

Visual charging status with 8 inches touch screen and LED pilot lamp.



Solid Cabinet

IP55, IK10 durable cabinet for indoor&outdoor installation.



Strong Protections

Under/Over voltage protection, over current protection, over temperature protection, surge protection, etc.



Installation Methods

Both Wall-mounted and stand-alone installation are applicable.



Connector Options

Supporting single CCS2 80A/125A connector.

SEC 60-80kW INTEGRATED DC CHARGER

Product Profile >>>

Equipped 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.



Highlights >>>



Support high power charging

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



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 range	400(±10%) @ 50 Hz
	THDi	<5%
	Power factor	0.99
Output Characteristic	output power	60/80kW
	Maximum output current	200A@CCS2 125A@CHA
	Output voltage	200-1000V
	Connector type	CCS2,CHAdeMO (optional)
	Peak efficiency	96%
Environment & Appearance	Temperature	-25-65°C [Above 50°C derating operation]
	Humidity	5%-95%
	Dimensions	W850*D550*H2030mm
	Structure	Stainless steel
Others	Payment	QR code/RFID/NFC/Credit card (optional)
	Standby power	<0.1 % max power
	Network method	Ethernet/GSM, 4G
	Display screen	15-inch
	Cable management	Optional
	IP/IK degree	IP55/IK10
	Certification	CE, TUV
	Protection	Undervoltage protection, Overvoltage protection, DC Overcurrent protection, Over-temperature protection, Surge Protection Device, Emergency Stop Protection

SEC 120-240kW INTEGRATED DC CHARGER

Product Profile >>>

SEC240 Integrated Charger is an integrated solution, power flexible distributed to two connectors simultaneously controlled by intelligent algorithm that realizes high-performance EV charging. It also supports high resolution large touch screen and cable management system, allowing drivers to charge easier and safer.



Specifications >>>

Category	Item	Parameter
Input Characteristic	Input type	3P+N+PE
	Input voltage range	400[±10%] @ 50 Hz
	THDi	<5%
	Power factor	0.99
	Power supply	TT/TN-S
Output Characteristic	Output voltage	CCS2:200-1000V
	Rated power	120/140/160/180/200/240kW
	Maximum current	350A@CCS2 [Boost 500A] 125A@CHA
	Standby consumption	<100W
	Numbers of connectors	2
	Connector type	CCS2/ CHAdeMO (optional)
	Peak efficiency	96%
Environment & Appearance	Operation temperature	-25-65°C(Above 50°C derating operation)
	Storage temperature	-30~70°C
	Humidity	5~95%,no condensation
	Altitude	≤2000m
Others	EV protocol	ISO15118 DIN70121
	Backend protocol	OCPP1.6J, OCPP2.0.1
	Payment method	QR code/RFID/NFC/Credit card (optional)
	Dimensions	W850*D750*H2000mm
	Communication type	Ethernet/GSM, 4G
	Display screen	15-inch
	Language	English/French/German/Turkish, etc.
	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
	Weight	≤500kg
	Customized function	Tilt protection, Flood protection, Fire protection, Heater
	Standards	IEC61851/IEC62196/IEC61000
	Protection	Undervoltage protection, Overvoltage protection, DC Overcurrent protection, Over-temperature protection, Surge Protection Device, Emergency Stop Protection

Highlights >>>



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



Fast charging
350A cable supports charging an EV from 0% to 80% SOC within 20 minutes



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

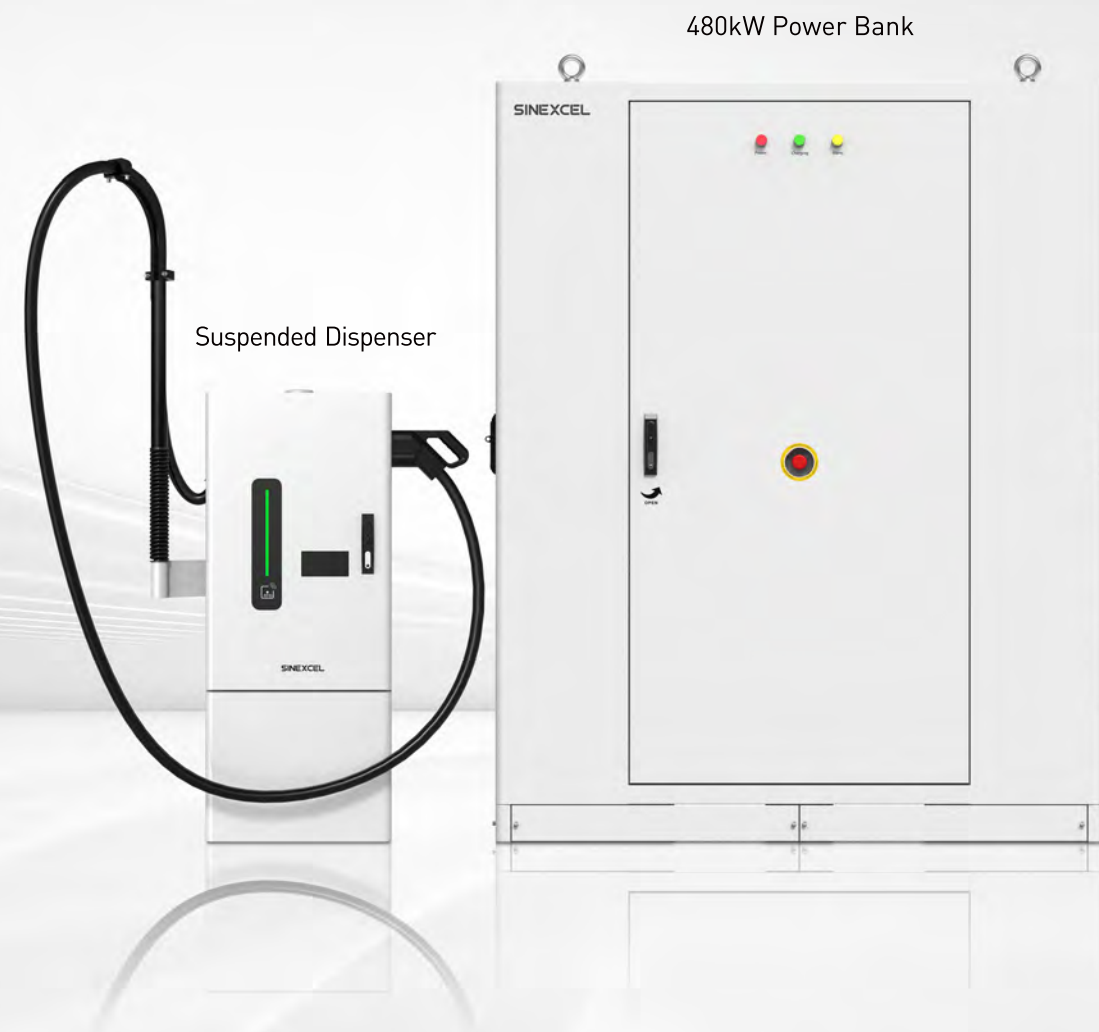


Easy for maintenance
Modular design saves maintenance time and OTA update is available

SEC Distributed Series DC Charger



Eichrecht Certified



Product Profile >>>

The SEC Distributed Series DC Charger includes a range of power bank and dispenser products, with a maximum rated output power of up to 1280 kW. It can be flexibly configured to meet various operational scenarios, including fleet operations, bus charging, and highway station applications



Highlights >>>

High power output for dispensers

Supports dual 500A high-power charging, with two liquid-cooled connectors equipped on a dispenser, enabling simultaneous charging of two trucks. A dispenser can continuously output up to 1000 kW.

Full matrix power switching technology

The power bank flexibly distributes power to maximize power utilization, while the charging connectors intelligently output power based on demand.

Diverse configuration options

A complete product range, including 1280 kW and 480 kW power banks. Customers can choose between dispensers (liquid-cooled or air-cooled) or suspended dispensers, depending on different charging requirements, to accommodate various charging scenarios.

Ultra-Wide Output Voltage

Output voltage range of 200V to 1000V, capable of charging high-voltage vehicles on the market, compatible with various passenger and commercial vehicles, and meeting future charging trends.

Specifications >>>

1280kW Power Bank	
Item	Parameter
Rated output power	960kW, 1280kW
Input Voltage Range	400(±10%) @ 50 Hz
DC Output Voltage	200-1000V
Power Factor	≥0.99
THDI	≤5 %
Peak Efficiency	96.5%
Maximum Output no. of connector	16 connectors
IP/IK degree	IP55/IK10
Dimension	W2300*D1100*H2100 mm
Weight	≤2000kg
480kW Power Bank	
Item	Parameter
Rated output power	360/480kW
Input Voltage Range	400(±10%) @ 50 Hz
Input type	3P+N+PE
Frequency	50/60Hz
Power Factor	0.99
Peak Efficiency	≥96%
Maximum no. of connector	6
Power output	Flexible power output, up to 480kW
Dimension	W1600*D1100*H2000mm
Weight	≤900kg
Dispenser	
Item	Parameter
Output voltage	200~1000V
Maximum current per connector	350A@CCS2 Air-cooling (boost to 400A) 500A@CCS2 Liquid-cooling (boost to 600A) 125A@CHA
Cable length	5m
Load sharing	Flexible load distribution according to user requirements
Payment method	QR code/RFID/NFC/Credit card (optional)
Dimension	W450*D800*H2100mm
Weight	≤250kg
Suspended Dispenser	
Item	Parameter
Connector option	CCS2
Output voltage	200~1000V
Maximum current per connector	200A@CCS2
Cable length	5m
Dimensions	W500mm*D200mm*H800mm
Payment method	QR code/RFID/NFC



SEC160kW - UL



Product Profile >>>

The SEC 160 is an integrated DC charger developed by Sinexcel. Using its own ETL-certified 40kW module, it can reach up to 160kW and is backward compatible up to 60kW for multi-scenario coverage.



Specifications >>>

Category	Parameter
Input voltage	480 Vac± 10%
Input frequency	60Hz
Power factor	0.99
Grounding system	L1+L2+L3+PE
Rated output power	160kW
Output voltage	200-1000V
Connector quantity	2
Connector type	CCS1/NACS
Maximum output current	CCS1/NACS:350A
Peak efficiency	≥96%
THDi	≤5%
Authorisation method	Credit Card, QR Code, RFID Card
Communication method	Ethernet/Wifi/4G
Screen	15" Touchscreen
Language	English
Standard	UL 2202:2022 UL 2231:2022 CSA C22.2 No.346:2022 FCC Part 15 Subpart B:2021 ICES-002:2020 Energy Star CTEP&NTEP OCA 1.6
Protection level	NEMA 3R/IK10
Weight	≤362kg
Noise	≤70dB
Operating temperature	-22°F-149°F[-30°C~65°C][50°C/122°F derate]
Cooling method	Forced air cooling

Highlights >>>



Continuously high output

Supports continuous 350A high current charging



ADA compliance

All of the components support the height of barrier free design, compliant with the ADA regulation.



CTEP&NTEP compliance

Designed to meet CTEP requirements at hardware and software level



User friendly design

Convenient charging methods, 15' inches touchable screen, cable management

SEC240kW - UL



Product Profile >>>

Brand-new integrated EV charger, delivering efficient 160kW-240kW DC power output with two connectors, making the charging experience more convenient and fast.



Specifications >>>

Category	Item	Parameter
Electrical Design	Outlet options	CCS1/NACS
	Input AC power rating	313A
	Input voltage range	480 Vac±10% 60 Hz
	DC output power rating	240kW
	DC output voltage	CCS1&NACS: 200~1000Vdc Voltage for constant power is 300~1000Vdc
	Cable length	16.4ft (5m)
	CCS cables maximum current	CCS1&NACS: 300A
	Network type	L1+L2+L3+PE
	Protection	Class I
	Over-voltage category	OVC III
	Power factor(full load)	0.99
	THDi	<5%
	Efficiency	96% peak
General Design	Dimensions	Footprint:W31.5* D29.5* H78.7in(W800mm*D750mm*H2000mm) Maximum Point:W36.1* D29.5* H78.7in(W918mm*D750mm*H2000mm)
	Weight(mass)	≤1058lbs (480kg)
	Protection rating	NEMA3R/ IK10
	Maximum operating altitude	≤6562ft(2000m)
	Acoustic noise	≤80dB
	Operating temperature	-13°F-149°F(-25°C~65°C)[50°C/122°F derate]
User Interface	Humidity	5%~95%
	Connectivity	Wi-Fi/Ethernet/4G
	User authentication	Credit Card, QR Code, RFID Card
	User interface	15" Touchscreen
	Communication protocol	OCPP1.6J
Others	RFID reader	ISO/IEC 14443 Type A
	Certificates	cTÜVus, FCC,CTEP&NTEP, Energy Star, OCA
	Software update	Local/Remote update

Highlights >>>



Continuously high output

Supports continuous 350A high current charging



ADA compliance

All of the components support the height of barrier free design, compliant with the ADA regulation.



CTEP&NTEP compliance

Designed to meet CTEP requirements at hardware and software level



User friendly design

Convenient charging methods, 15' inches touchable screen, cable management

SEC480kW - UL



Product Profile >>>

A comprehensive charger that integrates advanced tower and dispenser. The power bank efficiently supports up to three usage units, with each unit equipped with six connectors. What truly sets it apart is the state-of-the-art intelligent distribution algorithm, which dynamically allocates power based on the requirements of each vehicle.

Dispenser



Dispenser



Dispenser



Tower



Highlights >>>



Fast charging

10mintues charging for 400km driving with 500A charging currentUp to 480kW output



User-friendly

15"High resolution large LCD touch screen with audio function, Support multiple payments



Support multiple EVs charging

Maximum 6 connectors, which can serve multiple EVs at same time, to maximize the utilisationof charging power, with Intelligent distribution algorithm for power division



Flexible installation

Adaptable to multiple installation scenarios



Easy maintenance

Maintenance is taken into consideration during product design, which requires little skills to it



Flexible configuration

Modules can be added from 360kW-480kW based on requirements, Switching Air-cooling and liquid cooling for connector

Specifications >>>

General	
Category	Parameter
Protection Ratings	NEMA 3R /IK10
Maximum operating altitude	≤6562ft (2000m)
Certificates	cTÜVus、FCC、CTEP&NETP、OCA
Software update	Local/Remote update
Configuration	Max 3 charging dispensers are available in one system

Tower	
Category	Parameter
Input AC power rating	632A
Input voltage range	480 Vac±10% 60 Hz
DC output power rating	480 kW
DC output voltage	CCS1:200-1000V NACS:200-1000V
Network type	L1+L2+L3+PE
Protection	Class I
Over-voltage category	OVC III
Power factor(full load)	0.99
THDi	<5%
Efficiency	≥96%
Dimensions	W55.1*D39.4*H82.7in (W1400mm*D1000mm*H2100mm)
Weight(mass)	<1918lbs (870kg)
Acoustic noise	≤80dB

Dispenser	
Category	Parameter
Outlet options	CCS1/NACS
Dimensions	17-23/32*29-17/32*82-43/64In (2100mm*450mm*750mm)
Weight(mass)	<485lbs (220kg)
Acoustic noise	≤70dB
Cable length	16.4ft (5m)
CCS cables maximum current	CCS1:300A/500A (Liquid cooling) NACS:300A
User authentication	Credit Card, QR Code, RFID Card
User interface	15" Touchscreen
Communication protocol	OCPP1.6J
RFID reader	ISO/IEC 14443 Type A



Izar-CE

Product Profile >>>

Simplify and energize with Izar -CE: The future of residential charging. Experience intelligent AC charging like never before with our compact 7kW charger. User-friendly, hassle-free installation and maintenance. Cut down energy consumption and costs while enjoying the ultimate convenience. Choose Izar for simplicity and efficiency in charging your electric vehicle.



Highlights >>>

- 

Advanced exterior Design-In-Mold decoration
In-mold decoration technique
- 

Cost effectively
Dynamic load balancing with household electricity
- 

Small, smart and safe
Compact, lightweight design perfect for garage or outdoor charging with durable weatherproof housing for indoor or outdoor installation
- 

User-friendly
Works with all EVs using Type 2 charge port
- 

Excellent charging experience
LED charge status indicator and alert lights
- 

Monitor and remote control
Monitor and remote control

Specifications >>>

Izar-CE	
Rated power	7.4 kW
Weight	Cable: 3.8kg
	Socket: 2.7kg
Protection rating	Cable: IP65/IK10
	Socket: IP55/IK10
Colour	White
Connector type	Type 2 (both socket and connector)
Charging mode	(IEC 61851-1) Mode 3
Dimensions	L336*W299*D120mm
Operating temperature	-30°C~+55°C
Certificates	CE/ TUV mark/ RCM/ TR25/ UKCA
Rated volta AC +10%	230V AC 50/60Hz
Rated current	32A
Configurable current	From 6A to rated current
Connectivity	4G (optional)/ WiFi/ Bluetooth/
User identification	RFID card
User interface	APP
Charger status information	LED light/ APP
Communication protocol	OCPP 1.6J

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 >>>



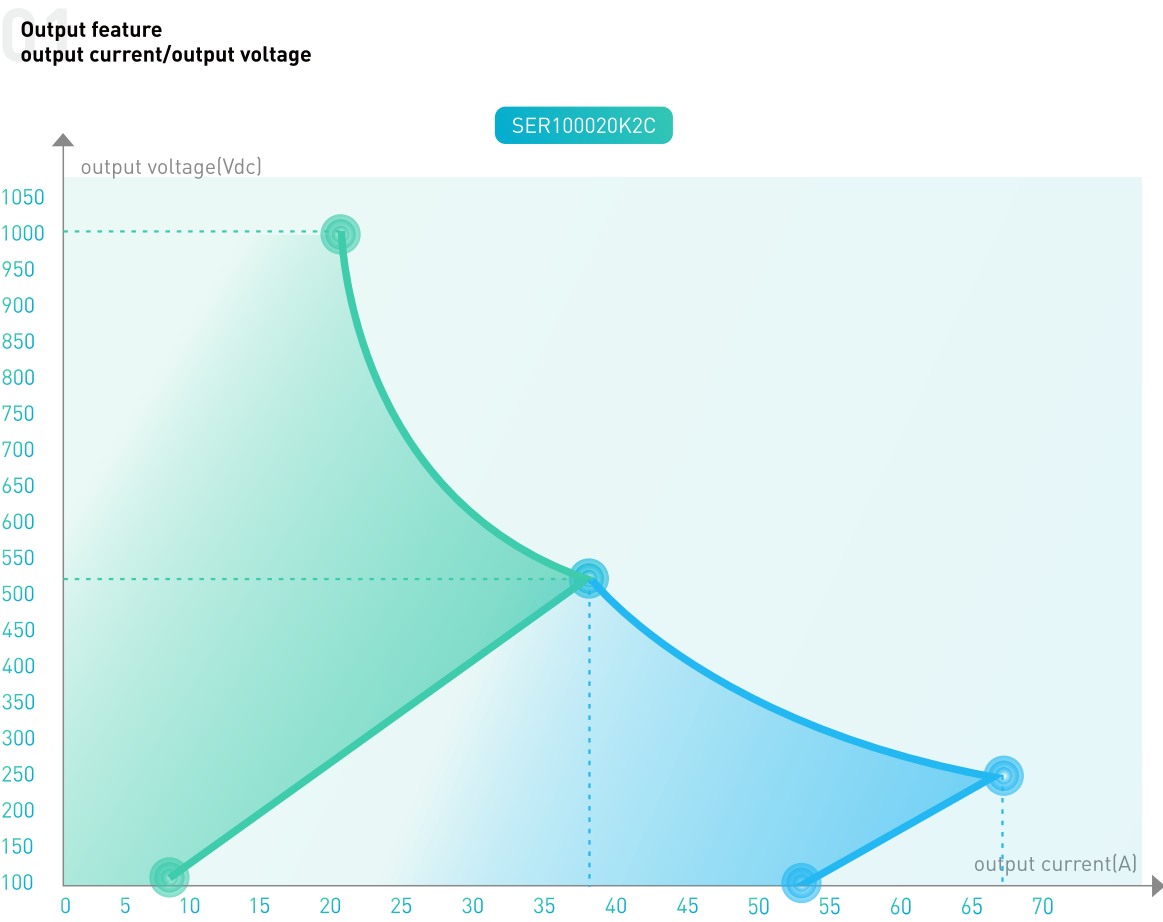
Highlights >>>



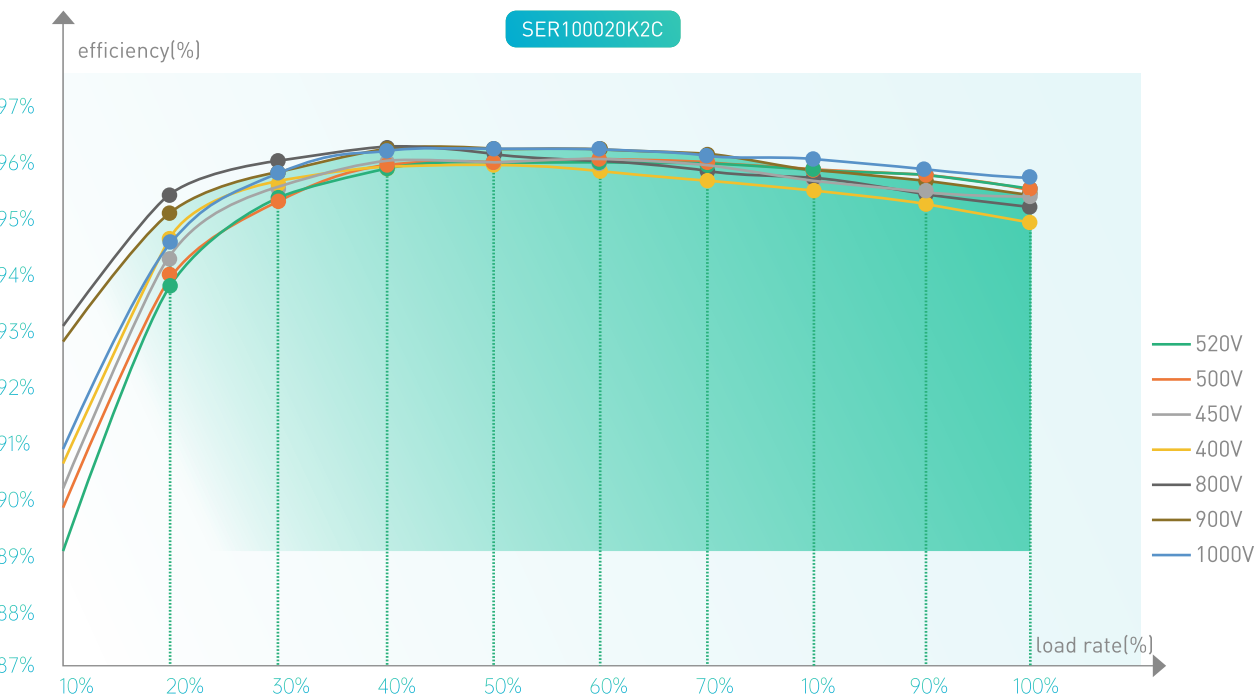
Specifications >>>

	Model	SER100020K2C
Basic Indicators	Equipment dimensions	W238*D411*H86mm
	Weight of equipment	10 kg
	Heat dissipation mode	Forced air cooling
	Communications	CAN BUS
Input Characteristics	Input voltage	260-480Vac
	Voltage system	Three Phase+PE
	Input current	40A
	Input frequency	45-65 Hz
	Power factor	0.99
	Harmonic current	THDi<5%
	Maximum output power	20kW
Output Characteristics	Output voltage	200-1000Vdc(support power output≤200V)
	Output constant power range	300-1000Vdc
	Maximum output current	67A
	Peak efficiency	96%
	Altitude	<2000m
Environmental Indicators	Working temperature	-30~+65°C derating work above 50°C
	Working humidity	5%-95%

Output Curve >>>



Efficiency



SER100030K3C

30kW POWER MODULE



Highlights >>>



Specifications >>>

	Model	SER100030K3C
Basic Indicators	Equipment dimensions	W218*D458*H84mm
	Weight of equipment	15kg
	Heat dissipation mode	Air cooled
	Communications	CAN BUS
Input Characteristics	Input voltage	268~530Vac
	Voltage system	Three Phase+PE
	Max input current	60A
	Input frequency	45-65 Hz
	Power factor	0.99
	Harmonic current	5%
Output Characteristics	Max output power	30kW@380/480Vac
	Output voltage	50-1000Vdc
	Max output current	100A
	Peak efficiency	96%
Environmental Indicators	Altitude	≤2000m
	Working temperature	40~+75°C derating work above 55°C*derating

SER100040K3B

40kW POWER MODULE

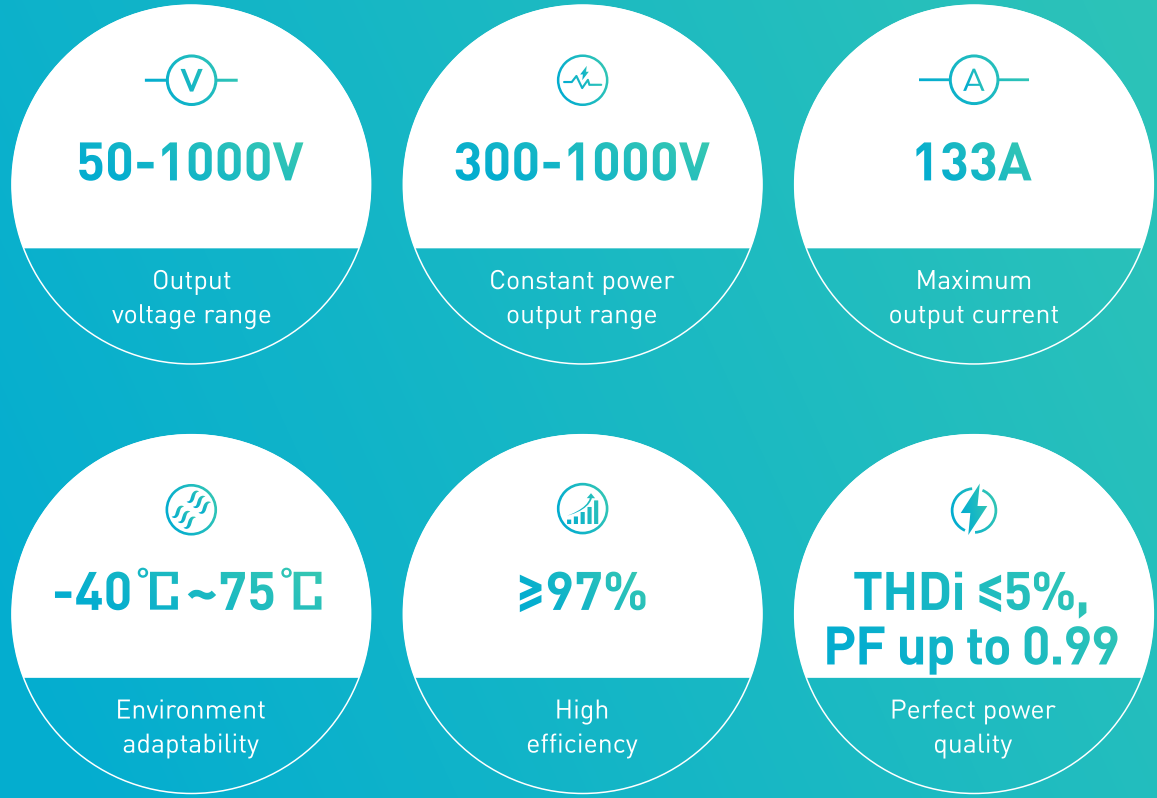


Product Profile >>>

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.



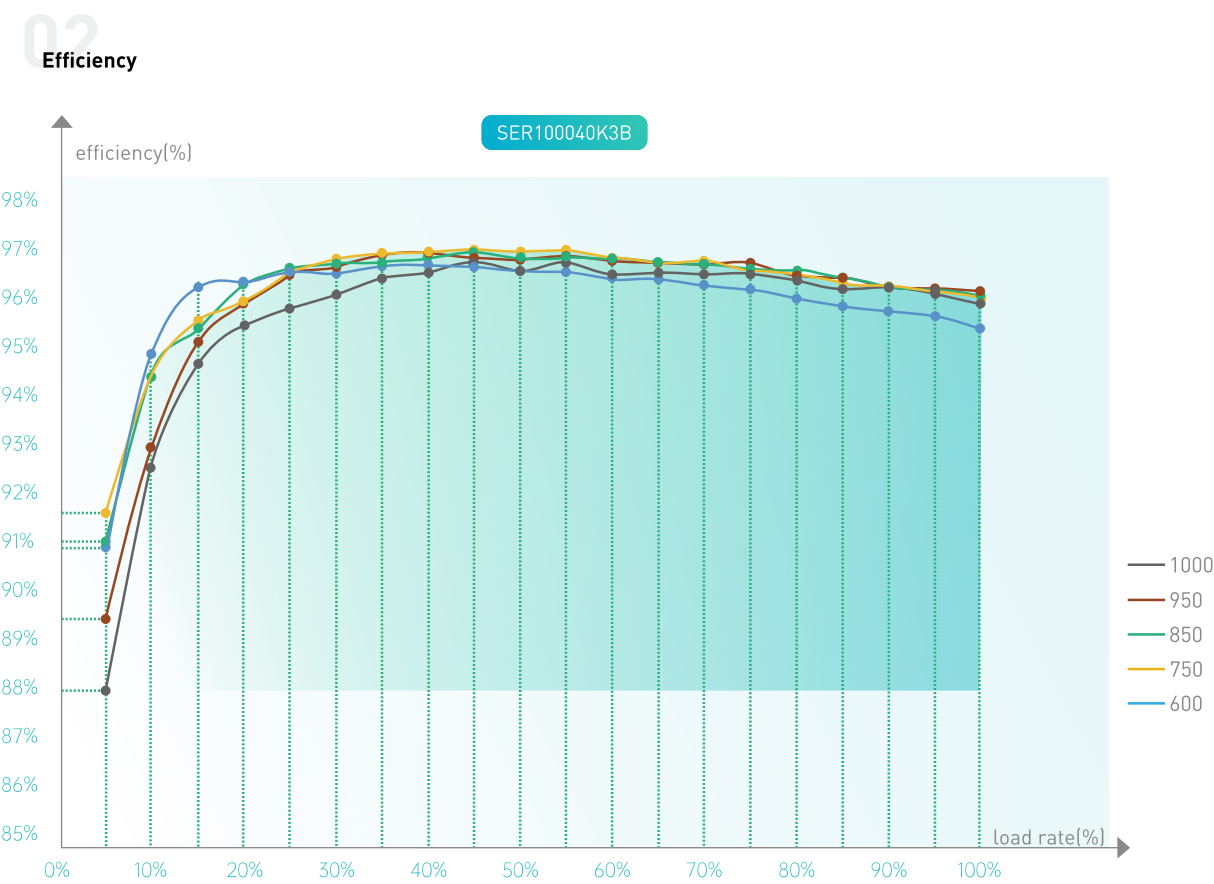
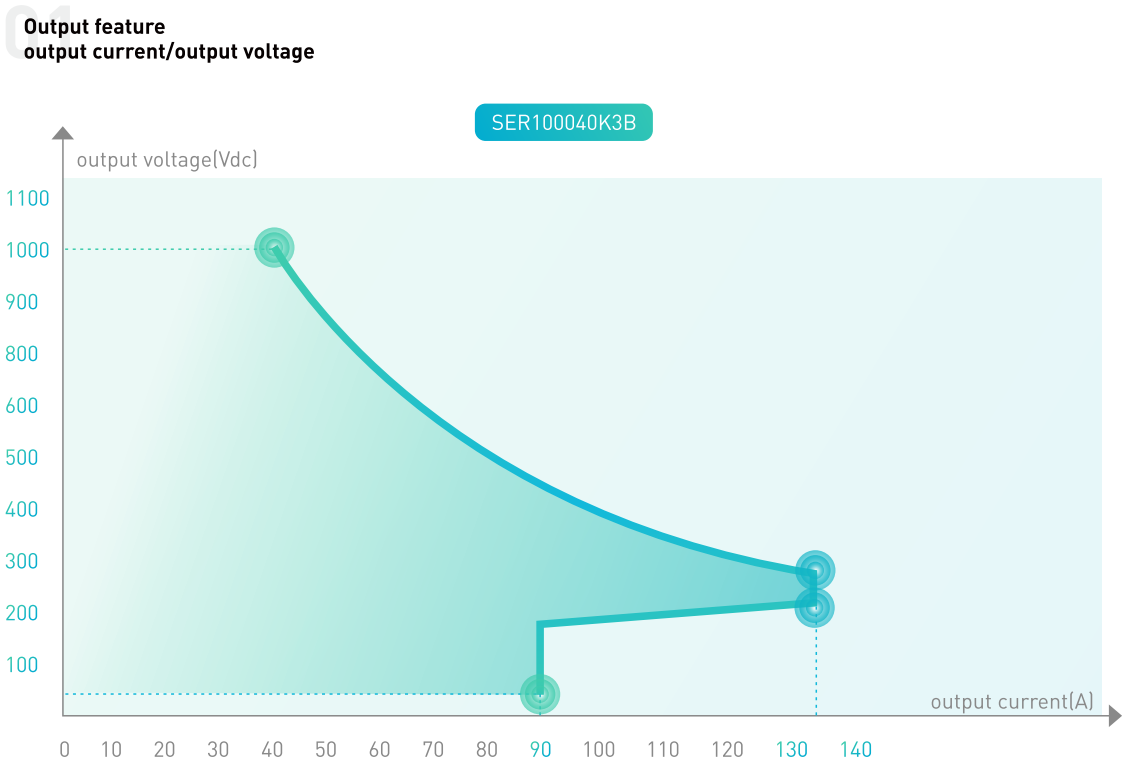
Highlights >>>



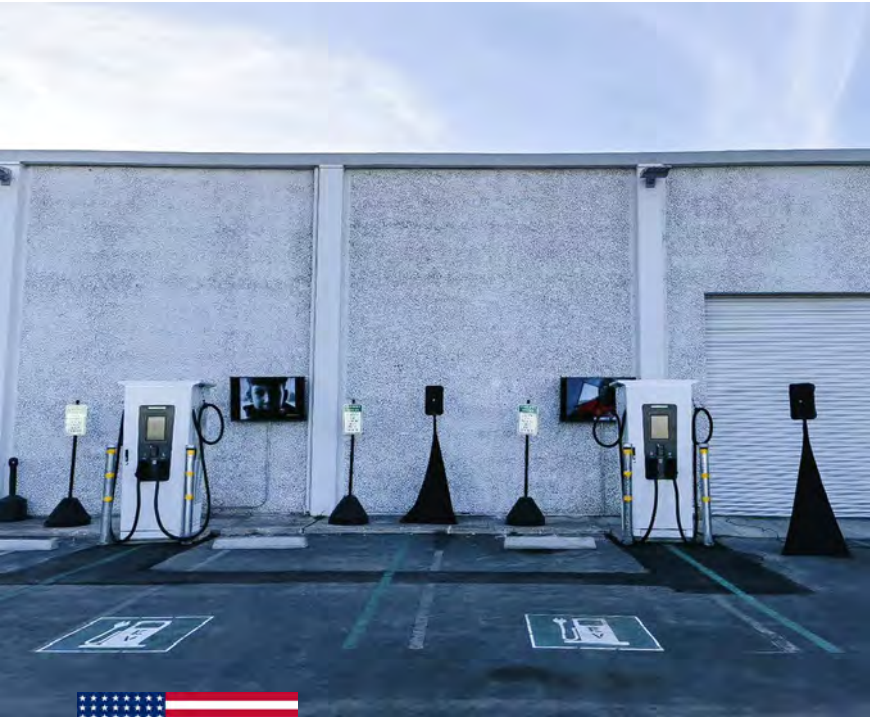
Specifications >>>

	Model	SER100040K3B
Basic Indicators	Equipment dimensions	W360*D459*H85mm
	Weight of equipment	20 kg
	Heat dissipation mode	Forced air cooling
Input Characteristics	Communications	CAN BUS
	Input voltage	260-525Vac, Supported 200V±15% 3P
	Voltage system	Three Phase+PE
	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
	Peak efficiency	97%
Environmental Indicators	Altitude	<2000m
	Working temperature	-40°C-75°C, above 55°C derating
	Working humidity	5%-95%

Output Curve >>>



GLOBAL REFERENCE



USA



Norway



Norway



UK



Germany



Australia



Sweden



Sweden