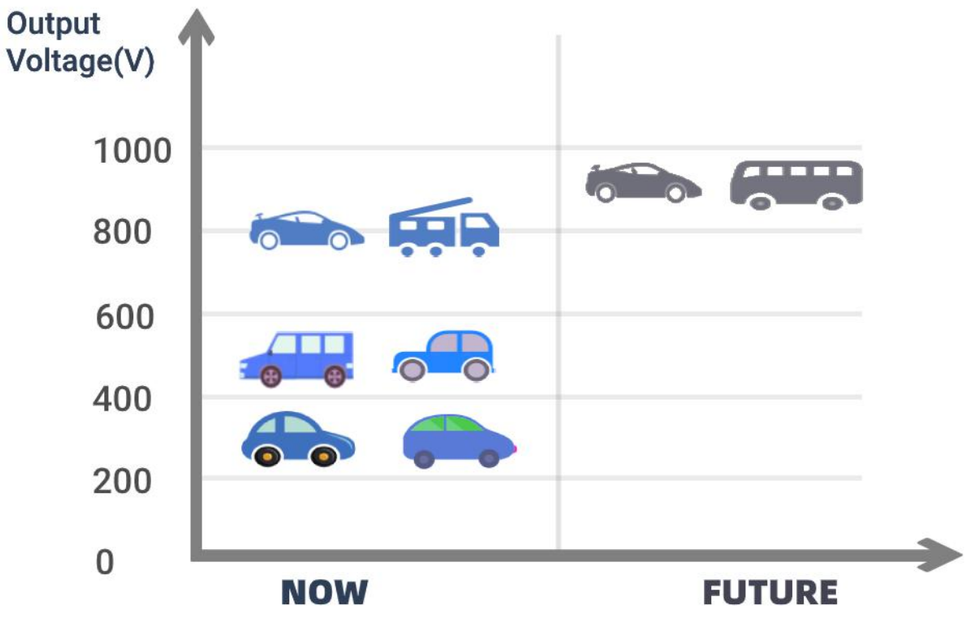
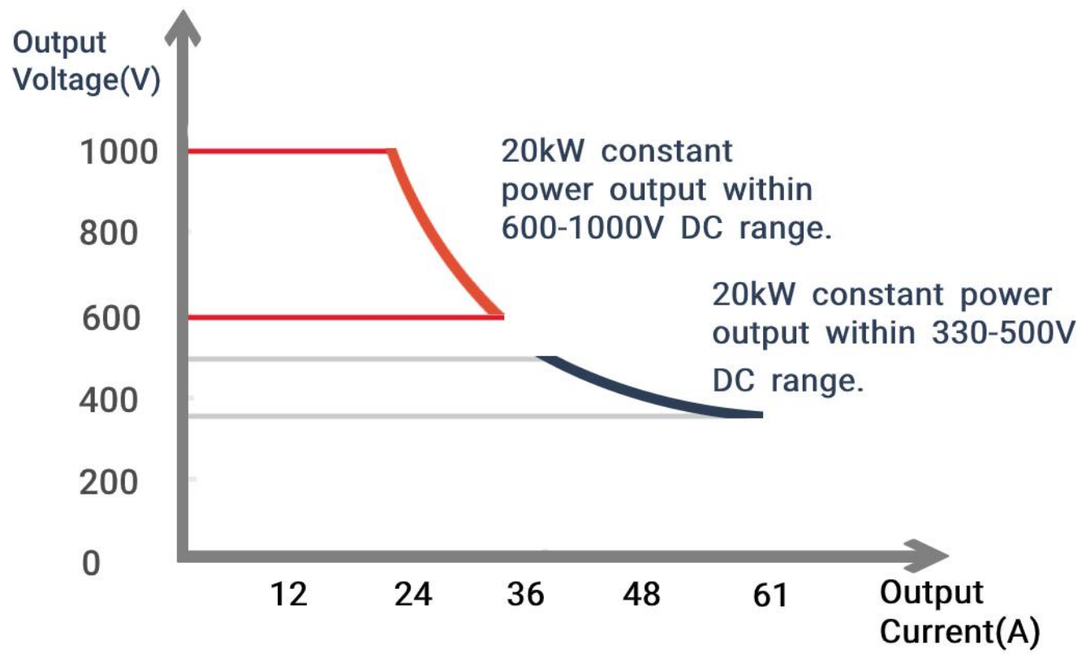
Sinexcel

EVERYTHING ABOUT PROFITABILITY AND CHARGING EXPERIENCE

SER 1000V SERIES
20kW EV Charger Module





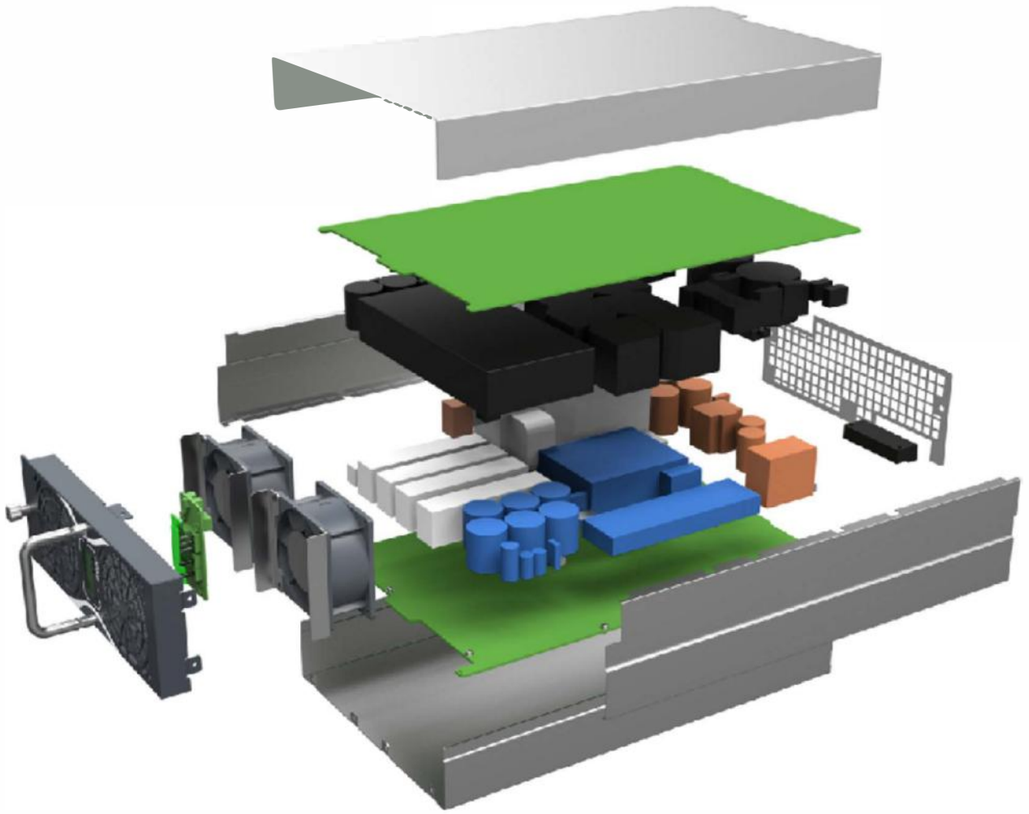
ULTRA WIDE OUTPUT VOLTAGE RANGE

200-1000V, Compatible with the vast majority of voltage platforms and vehicle charging requirement from now to future. Reduces operating expenses, increases carrier earnings, and meets the next 5-10 years of technology.

NEW GENERATION OF CONSTANT POWER TECHNOLOGY

330-500V&600-1000V constant power dual output segment achieves the maximum constant power range, which improves the power utilization ratio of DC charger, raises the operation efficiency, and maximizes carrier revenue.

SER 1000V SERIES
20KW EV CHARGER MODULE



Features

Safety & High Reliability

- Isolation design to ensure personal safety.
- Output reverse irrigation isolation to ensure the EV charger system safety.
- Supports hot plug, improving system reliability.
- With multiple-protection functions.

High Efficiency & Energy conservation

- Peak efficiency ≥96%.
- Power factor≥0.99, and infinitely close to the pure resistive load.
- High voltage mode combined with low voltage mode realizes the orderly switching.

Intelligent control

- Dust-proof blocking, Fans fault alarm.
- Supports remote fault detection and recovery.
- Module protocol supports automatic OTA upgrade and continuous software upgrade, optimizing continuously module performance.

Low noise, Supporting Mute mode

- Fan intelligent step-less speed regulation.
- Solved the charging problem of noise-sensitive area.

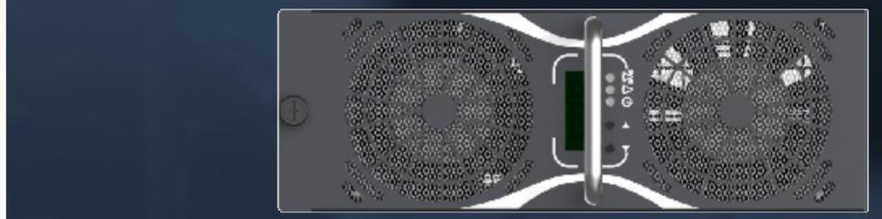
TECHNICAL PARAMETERS

CATEGORY	ITEM	PARAMETER
Environmental conditions	**Operating temperature**	**-30℃~65℃, Derating above 50℃**
	Cooling method	Air cooling
	Altitude	≤2000m. Derating output above 2000m
Input Characteristics	Input	Three phase+PE
	Input rated volatge	380V AC
	Input voltage range	268-479V AC
	Frequency	45Hz-65Hz
	Starting inrush current	≤110% rated input current
Ouput Characteristics	Rated output power	20kW
	Output voltage range	200-1000V DC
	Output current range	0-67A
Features & Performance	Power factor	≥0.99
	Peak efficiency	≥96%
	THDI	≤5%
	Standby power consumption	≤0,1% output rated power
Mechanical Dimensions	Communication method	CAN BUS
	Size	W (238mm)*D(411mm)*H(86mm)
	Weight	10KG

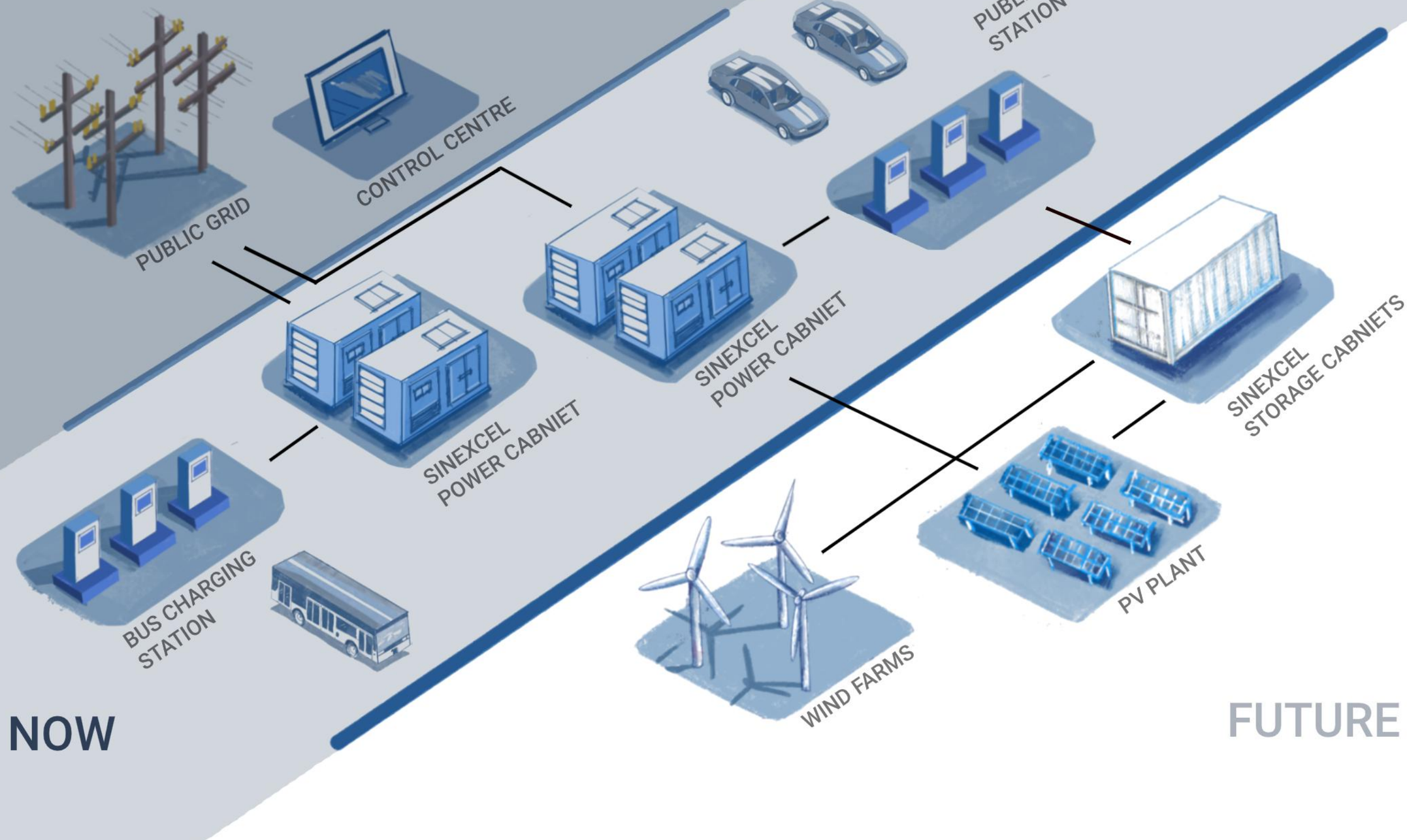
SUPER COMPATIBLE

1 Module = 20kW DC power

PRODUCT VIEWS

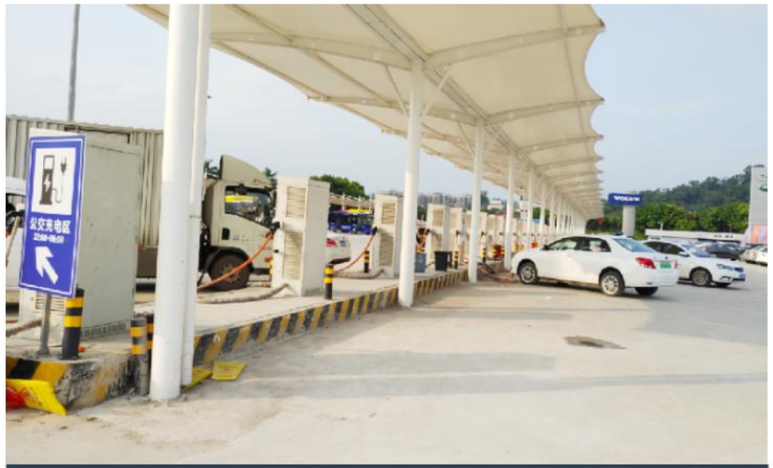


APPLICATION SCENARIOS



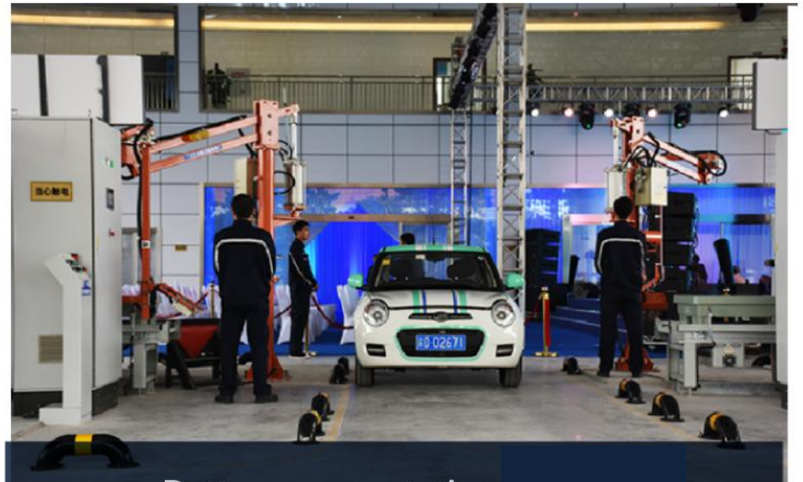
SUCCESSFUL CASES

Compatible with the vast majority of voltage platforms and vehicle charging requirement from now to future.



Public Charging Station

Xin'an Park charging Station



Battery swap station

BP Public Charging Station

XiaoJu Public Charging Station

ABOUT SINEXCEL

800+ EMPLOYEES

With 200+ R&D engineers.

10+YEARS

Since 2010,Sinexcel focus on R&D and production of EV charger module.

PUBLIC LISTED

Stock Code: 300693, Growth Enterprise Market of China.

GLOBAL APPLICATIONS

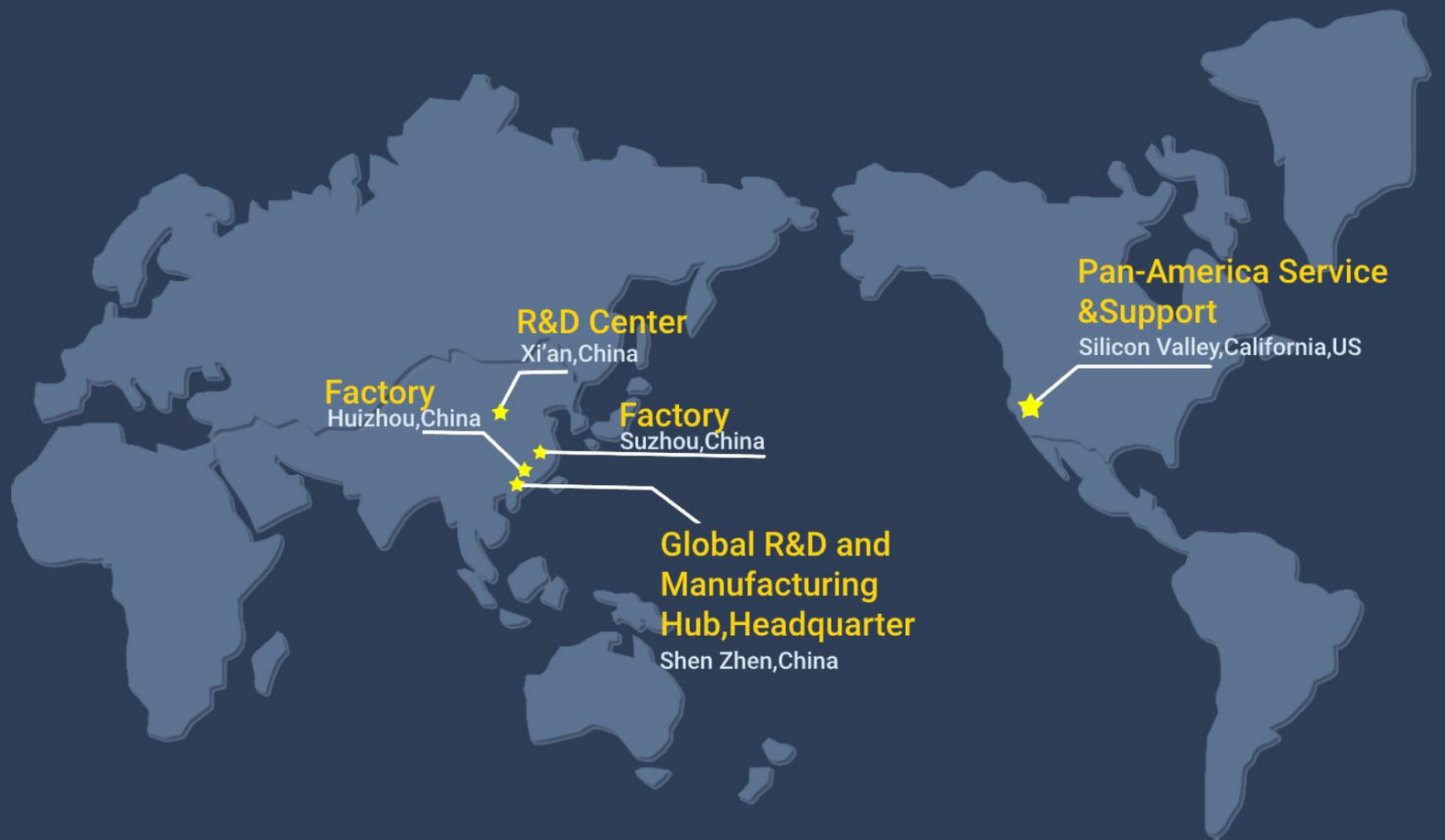
20KW EV Charger Module adaptation temperature range: -30°C to 50°C

BUSINESS & OFFICES

EV CHARGER MODULE
330000+

EV FAST CHARGERS
20000+

COUNTRIES
50+



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