

ChargeX

Integrated Charger

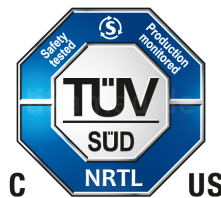
PQ-SEC1000

This ChargeX is an integrated EV charger providing upto 240kW DC output with two connectors. Power flexible distributed to two connectors controlled by algorithm realizes intelligently EV charging. It supports high resolution large LCD touch screen with audio function and cable management system which provide better user experience.



ChargeX (Integrated Charger)	
Model	PQ-SEC1000
Rated Power	DC: 80kW upto 240kW
Input Voltage (v)	480AC
Dimensions (mm)	W (800-918) x D 750 x H 2000

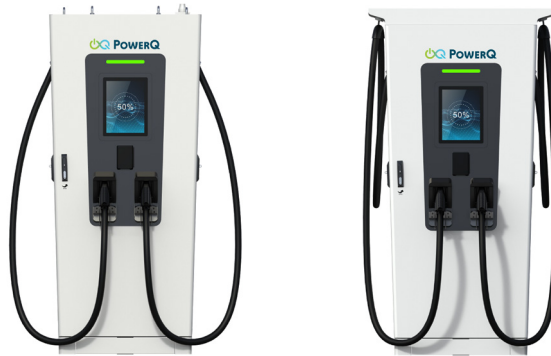
STANDARDS & CERTIFICATIONS



Standards	UL2231, UL2202, ISO 15118, DIN70121
Certifications	cTUVus

ChargeX

PQ-SEC1000



Cleverly Design

- ▶ With up to 240 kW
- ▶ Up to 2 fast-charging connectors in one station.
- ▶ User-friendly interface.



Simply Ingenious

- ▶ Easily spotted with bright lighting, a distinctive canopy, and clear indicators for monitoring charge status.
- ▶ Versatile and secure payment methods.



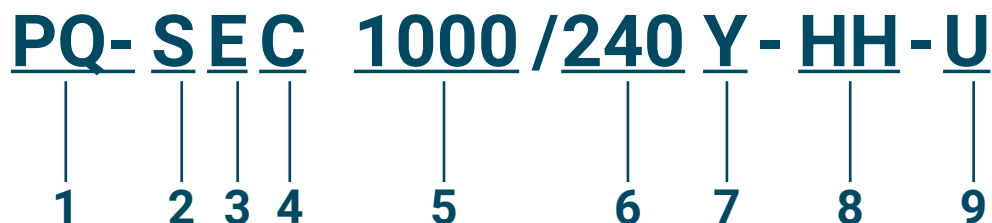
Sturdy Build

- ▶ Sturdy, weather-resistant 304 stainless steel casing.
- ▶ Adaptable structure for prolonged uptime, hassle-free maintenance, and scalable features.

ChargeX

PQ-SEC1000

CHARGE X PRODUCT MODEL



NO.	MEANING
1	Power Q Inc.
2	Super
3	Electric Vehicle
4	Charger
5	Rated output Voltage 1000Vdc
6	Rated output power, here can choose 80/120/160/200/240kW
7	Integrated charger
8	Types of charging connectors to distinguish between different charging standards; C: CCS1 charging connector for 200A H: CCS1 charging connector for 300A
9	System type, used to distinguish application scenarios, here the default is U for UL certified models, this parameter will be replaced later if the model is certified for other regions; U: stands for UL certified model.

CHARGE X PRODUCT MODEL

Specification	Power distribution		Maximum current	
	Connector A	Connector B	Connector A	Connector B
PQ-SEC1000/80Y-H-U	CCS1: 80kW	/	300A	/
PQ-SEC1000/80Y-HH-U	CCS1: 40kW or 80kW	CCS1: 40kW or 80kW	300A	300A
PQ-SEC1000/80Y-C-U	CCS1: 80kW	/	200A	/
PQ-SEC1000/80Y-CC-U	CCS1: 40kW or 80kW	CCS1: 40kW or 80kW	200A	200A
PQ-SEC1000/120Y-H-U	CCS1: 120kW	/	300A	/
PQ-SEC1000/120Y-HH-U	CCS1: 80kW or 120kW	CCS1: 40kW or 120kW	300A	300A
PQ-SEC1000/120Y-C-U	CCS1: 120kW	/	200A	/
PQ-SEC1000/120Y-CC-U	CCS1: 80kW or 120kW	CCS1: 40kW or 120kW	200A	200A
PQ-SEC1000/160Y-H-U	CCS1: 160kW	/	300A	/
PQ-SEC1000/160Y-HH-U	CCS1: 80kW or 160kW	CCS1: 80kW or 160kW	300A	300A
PQ-SEC1000/160Y-C-U	CCS1: 160kW	/	200A	/
PQ-SEC1000/160Y-CC-U	CCS1: 80kW or 160kW	CCS1: 80kW or 160kW	200A	200A
PQ-SEC1000/200Y-H-U	CCS1: 200kW	/	300A	/
PQ-SEC1000/200Y-HH-U	CCS1:120kW or 200kW	CCS1:80kW or 200kW	300A	300A
PQ-SEC1000/200Y-C-U	CCS1:200kW	/	200A	/
PQ-SEC1000/200Y-CC-U	CCS1: 120kW or 200kW	CCS1: 80kW or 200kW	200A	200A
PQ-SEC1000/240Y-H-U	CCS1: 240kW	/	300A	/
PQ-SEC1000/240Y-HH-U	CCS1: 120kW or 240kW	CCS1: 120kW or 240kW	300A	300A
PQ-SEC1000/240Y-C-U	CCS1: 240kW	/	200A	/
PQ-SEC1000/240Y-CC-U	CCS1: 120kW or 240kW	CCS1: 120kW or 240kW	200A	200A

ChargeX

PQ-SEC1000

SPECIFICATIONS

PQ-SEC1000	80kW	120kW	160kW	200kW	240kW
INPUT CHARACTERISTICS					
Voltage	480VAC				
Frequency	50/60 Hz				
Type	3P + N + PE				
Current	117A	175A	235A	292A	355A
Power	88kW	131kW	174kW	218kW	263kW
Power factor	0.99				
THDi	<5%				
Grounding type	TN-S, TN-CS				
OUTPUT CHARACTERISTICS					
Connector options	CCS1 CCS1 + CCS1				
Voltage	CCS1: 50-1000 Vdc 300-1000V is the output voltage of constant power output.				
Maximum output current	CCS1: 200A, 300A optional				
Rated power	DC: 80kW	DC: 120kW	DC: 160kW	DC: 200kW	DC: 240kW
Peak efficiency	96%				
ENVIRONMENT					
Operational altitude	<6562ft (2000m)				
Operating temperature	-25°C to +50°C				
Temperature derating	Up to 50°C: 100% output power. 50-65°C interval: linear power limit. 65°C or more: module shutdown.				
Storage temperature range	-30°C to +70°C				
Humidity	5% - 95% Rh non-condensing				

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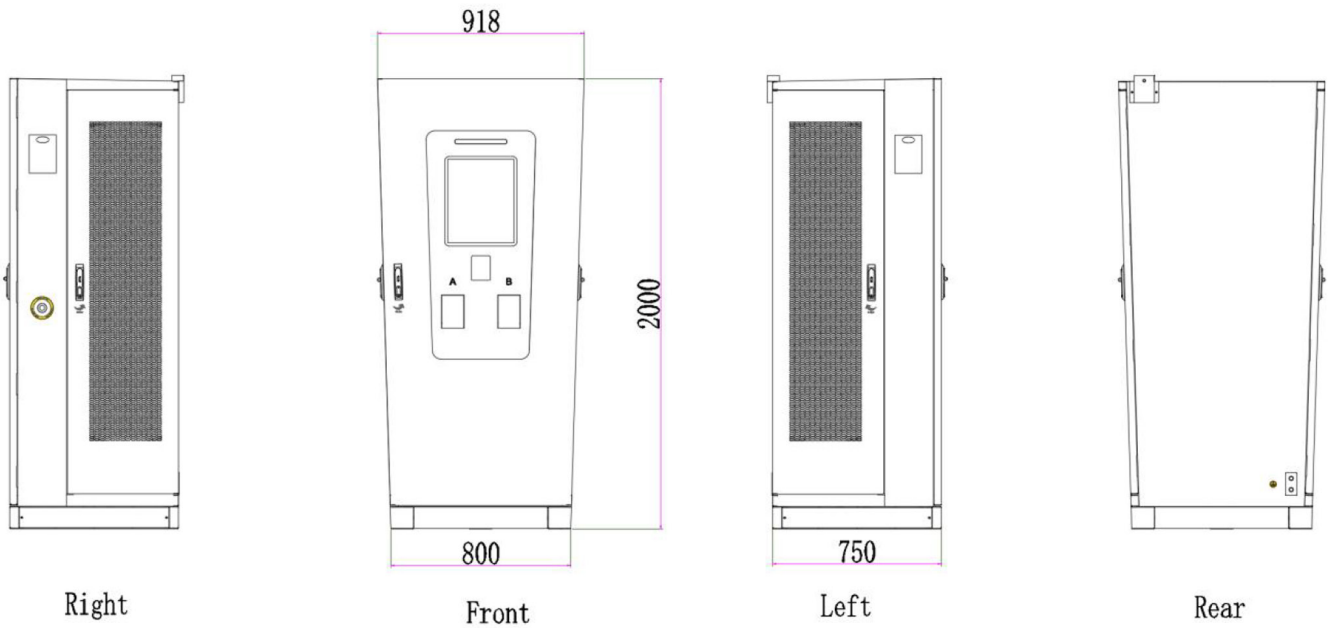
SPECIFICATIONS

PQ-SEC1000	80kW	120kW	160kW	200kW	240kW
STRUCTURE					
IP and IK rating	IP55 / NEMA 3R				
Dimensions (mm)	W(800-918) x D 750 x H 2000				
Weight (kg)	≤492				
Enclosure material	304 stainless steel				
COMPONENTS					
Cable length	5m (4.5m exposed from the charger)				
Screen	15" HD touchscreen				
RFID reader	ISO 14443 A + B to part 4 and ISO/IEC 15693, Mifare1, NFC				
Emergency button	Yes				
OTHERS					
Communication interface	4G / LAN Port				
Language	English (support customizing other languages)				
Communication protocol	OCPP1.6J				
Cooling method	Air cooled				
Payment method	RFID / APP (mobile phone / Visa / Master is optional)				
EMC	Class A (industrial)				
Protection	Undervoltage protection. Overvoltage protection. DC Overcurrent protection. Over-temperature protection. Surge protection device. Emergency stop protection.				
Optional functions	Tilt detection, flood detection, smoke detection, heater, cable management.				
STANDARDS & CERTIFICATIONS					
Standards	UL2231, UL2202, ISO 15118, DIN70121				
Certifications	cTUVus				

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DIMENSIONS (UNIT: MM)



EQUIPPING FOR MARKET DEMANDS



Production Capacity