

ChargeX

Distributed Charger

PQ-SEC1000

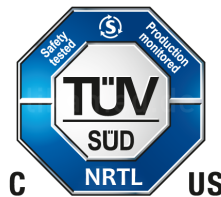
This ChargeX is a distributed EV charger providing up to 480kW DC output with at most six connectors. Controlled by intelligent algorithm, output power would be allocated to connectors and redistribute automatically according to charging requirements, thus realizes smart charging. It supports high resolution large LCD touch screen with audio function and cable management system to provide better user experience.



ChargeX (Distributed Charger)

	Power Bank	User Terminal
Model	PQ-SEC1000	
Rated Power	DC: 360kW, 480kW	DC: 200kW, 300kW, 400kW, 500kW, 600kW
Input Voltage (v)	480AC	Max. 1000DC
Dimensions (mm)	W 1400 x D 1000 x H 2100	W 450 x D 750 x H 2100

STANDARDS & CERTIFICATIONS



Standards	UL 2202, UL2231, UL1998, UL991, FCC, ISO 15118
Certifications	cTUVus

ChargeX

PQ-SEC1000



Cleverly Design

- ▶ With up to 480 kW
- ▶ Up to 6 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.



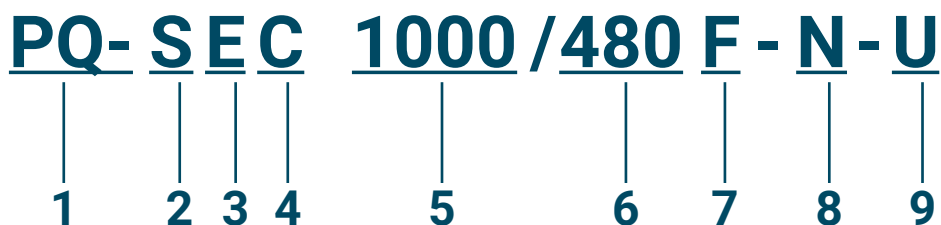
Sturdy Build

- ▶ 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: FOR THE POWER BANK



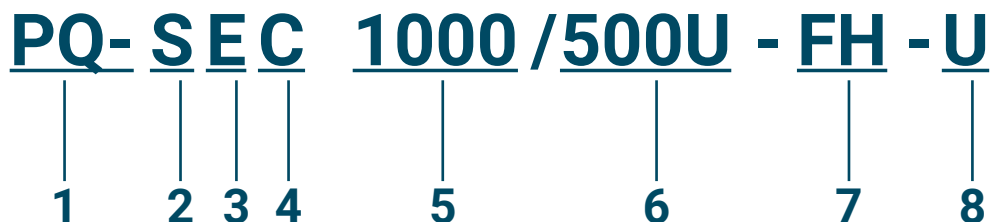
NO.	MEANING
1	Power Q Inc.
2	Super
3	Electric Vehicle
4	Charger
5	Rated output Voltage 1000Vdc
6	Rated output power, here can choose 360kW or 480kW
7	Power Bank
8	No Connector
9	System type, used to distinguish application scenarios, here the default is U for UL certified models, this parameter will be replaced later if the model is certified for other regions; U: stands for UL certified model.

	Specifications			
	Output Power (kW)	Rated Input Current (A)	Output Voltage (V)	Output Current (A)
PQ-SEC1000/360F-N-U	360	Max. 538A	200-1000Vdc	Max. 1200A
PQ-SEC1000/480F-N-U	480	Max. 711A	200-1000Vdc	Max.1600A

ChargeX

PQ-SEC1000

CHARGE X PRODUCT MODEL: FOR THE USER TERMINAL



NO.	MEANING
1	Power Q Inc.
2	Super
3	Electric Vehicle
4	Charger
5	Rated output voltage 1000Vdc
6	Models with different rated input current, here can choose 200U/300U/500U
7	Types of charging connectors to distinguish between different charging standards; F: Fast CCS1 C: CCS1 charging connector for 200A H: CCS1 charging connector for 300A
8	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.

	Specifications				
	Output Power (kW)	Rated Input Current (A)	Output Voltage (V)	Output Current (A)	
				Connector A	Connector B
PQ-SEC1000/200U-C-U	Max. 200	Max. 200A	CCS1: 200-1000Vdc	CCS1: 200A	/
PQ-SEC1000/200U-CC-U	Max. 400	Max. 400A		CCS1: 200A	CCS1: 200A
PQ-SEC1000/300U-H-U	Max. 300	Max. 300A		CCS1: 300A	/
PQ-SEC1000/300U-HH-U	Max. 600	Max. 600A		CCS1: 300A	CCS1: 300A
PQ-SEC1000/300U-HC-U	Max. 500	Max. 500A		CCS1: 300A	CCS1: 200A
PQ-SEC1000/500U-F-U	Max. 500	Max. 500A		CCS1: 500A	/
PQ-SEC1000/500U-FH-U	Max. 600	Max. 600A		CCS1: 500A	CCS1: 300A
PQ-SEC1000/500U-FC-U	Max. 500	Max. 500A		CCS1: 500A	CCS1: 200A

ChargeX

PQ-SEC1000

GENERAL SPECIFICATIONS

Enclosure	304 stainless steel
IP and IK rating	IP55 / NEMA 3R
Protection	Undervoltage protection. Overvoltage protection. DC Overcurrent protection. Over-temperature protection. Surge protection device. Emergency stop protection.
Ambient temperature	-30°C to +65°C
Rh	5% - 95%
Altitude	≤2000m
Communication	LAN/4G/Wi-Fi
Protocol	OCPP1.6J (upgradable)
Indication	LED & User interface on user unit
EMC	Class A (Industrial)

STANDARDS & CERTIFICATIONS

Standards	UL 2202, UL2231, UL1998, UL991, FCC, ISO 15118
Certifications	cTUVus

SPECIFICATIONS FOR THE POWERBANK

POWERBANK	
Input voltage	AC480V
Input type	L1+L2+L3+N+PE
Frequency	45-65 Hz
Power factor	0.99
Peak efficiency	≥96% (Full load ≥96%)
Power output	360-480kW
Maximum output current	1600A
Dimension (mm)	≤ 1400 * 1000 * 2100
Weight (kg)	≤900

SPECIFICATIONS OF THE USER TERMINAL

USER TERMINAL	
Output voltage	50-1000Vdc
Constant voltage range	300-1000Vdc
Number of connectors	6 (at most)
Maximum current per connector	CCS1(conventional cooling): 200A/300A CCS1(liquid cooling): 500A
Cable length	5m
Load sharing	Flexible load distribution according to user requirement
Incremental unit for output power distribution	40kW
Payment method	Visa/Master/RFID/Apple Pay etc.
Dimensions (mm)	≤750 * 450 * 2100

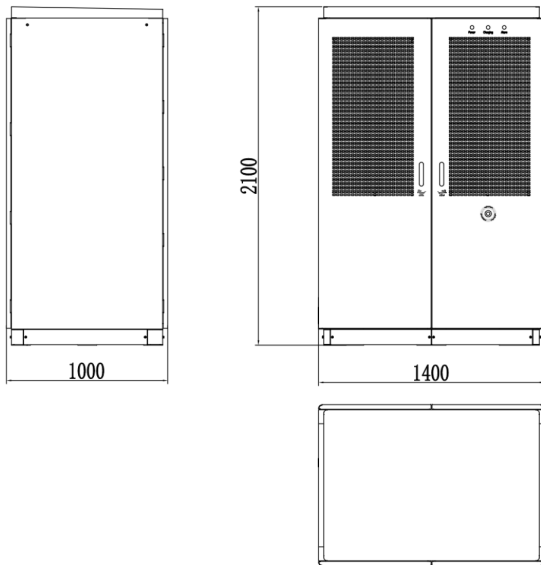
ChargeX

PQ-SEC1000

DIMENSIONS (MM)



Power Bank



User Terminal

