

SWARCO

TOUCH, TOUCH PLUS & TOUCH CLUSTER

SEQUENTIAL AND SIMULTANEOUS CHARGING

APPLICATION

Sequential and simultaneous DC rapid charging is now possible via up to 4 outlets per power unit cluster.

Compact and powerful design with output power ranging from 50kW to 600kW in two configurations: Touch and TouchPLUS.

4.7m cables are carefully managed via smooth retraction devices to ensure a tidy and safe site presentation when not in use.

Equipped with an 81cm touchscreen that transforms the user experience by providing detailed instructions, enhanced on-screen charge status data, promotional and instructional videos and other multimedia content.



Touch



1000 V | 125 A | 50 kW

Touch PLUS



1000 V | 125 A - 500 A | 50 kW - 600 kW

Touch CLUSTER



1000 V | 125 A - 500 A | 1 to 4 outputs | 50 kW - 600 kW

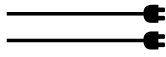
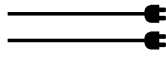

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STANDARD

- External antenna
- Dual SIM modem compatible with multi operator SIM cards
- Tilt sensor
- Web interface for maintenance
- Second modem for maintenance

OPTIONAL

- DC metering
- Bank card payment terminal

Touch	Touch PLUS	Touch CLUSTER
CMS ¹	CMS ¹	CMS ¹ (optional)
App	App	App
		
4.7m	4.7m	Up to 4; 4.7m

¹ cable management system

OUTPUT

	Touch	Touch PLUS	Touch CLUSTER
Output Power	50 kW	50-600 kW	50-600 kW
Output Current	125 A	125-500 A	125-500 A
Output Voltage	150-1000 V	150-1000 V	150-1000 V
Output Number	1 or 2	1 or 2	1 to 4 (kiosk and satellites)

INPUT

	Touch	Touch PLUS	Touch CLUSTER
Input Voltage (V a.c.)	340 to 530 +PE	340 to 530 +PE	340 to 530 +PE
Max. Input Current @nominal (A)	90	N*90	N*90
Input Power (kVA)	53	N*53	N*53
Input Frequency (Hz)	50/60	50/60	50/60
Efficiency (%)	95	95	95
Power Factor	> 0.99	> 0.99	> 0.99
THDi (%)	< 4	< 4	< 4

OUTPUT CCS

	Touch	Touch PLUS	Touch CLUSTER
Voltage Range (V d.c.)	150 to 1000	150 to 1000	150 to 1000
Max. Current (A d.c.)	125	125, 250, 300, 500	125, 250, 300, 500
Max Power (kW)	50	N*50	N*50

OUTPUT CHAdEMO

	Touch	Touch PLUS	Touch CLUSTER
Voltage Range (V d.c.)	150 to 500	150 to 500	150 to 500
Max. Current (A d.c.)	125	125, 200	125, 200
Max Power (kW)	50	N*50	N*50

*N - number of power modules

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Touch

Touch PLUS

Touch CLUSTER

STANDARDS

DC Charging	EN IEC 61851-1/ EN 61851-23/ IEC 61851-21-2/ ISO15118 including Plug&Charge/ DIN70121/ CHAdeMO
Connection	CCS2 (IEC 62196-3) / JEVS (G105)
EMC Emission	IEC 61000-6-4, Industrial; Optional: IEC 61000-6-3, Residential
EMC Immunity	IEC 61000-6-2, Industrial

ENVIRONMENT

Operating Temperature (°C)	-35; +50	-35; +50	-35; +50
Max. Elevation (m)	2000	2000	2000
Protection Degree	IP54	IP54	IP54
Humidity (%)	5 to 95, non-condensing	5 to 95, non-condensing	5 to 95, non-condensing
Operation Noise Level (dBA) @ 1 m	<55	<55 power unit < 60	<55 power unit < 60

HMI

Contactless card specification	ISO/IEC 14443A/B, ISO/IEC 15393, Mifare, NFC reader mode; Optional: bank card reader, GooglePay and ApplePay		
Local Interface	Touch screen (32")	Touch screen (32")	Touch screen (32")
Communication Protocol	OCPP 1.6 / 2.0	OCPP 1.6 / 2.0	OCPP 1.6 / 2.0
Network Connection	2G/ 3G/ 4G (LTE) Modem; 10/100 Base-T Ethernet		

MECHANICAL

Dimensions (H x D x W) (mm)	2000x405x690 (kiosk)	1600x650x1500 (power unit)	1400x220x700 (satellite)
Impact Protection	IK10 including display	IK10 including display	IK10 including display
Housing	Steel	Steel	Steel
Corrosion Protection (ISO 12944:2018)	C5	C5	C5

All values @ 25 °C except where indicated.

Optional features such as payment terminals may have a different IP and/or IK.
Non-contractual information. We reserve the right to change this specification.