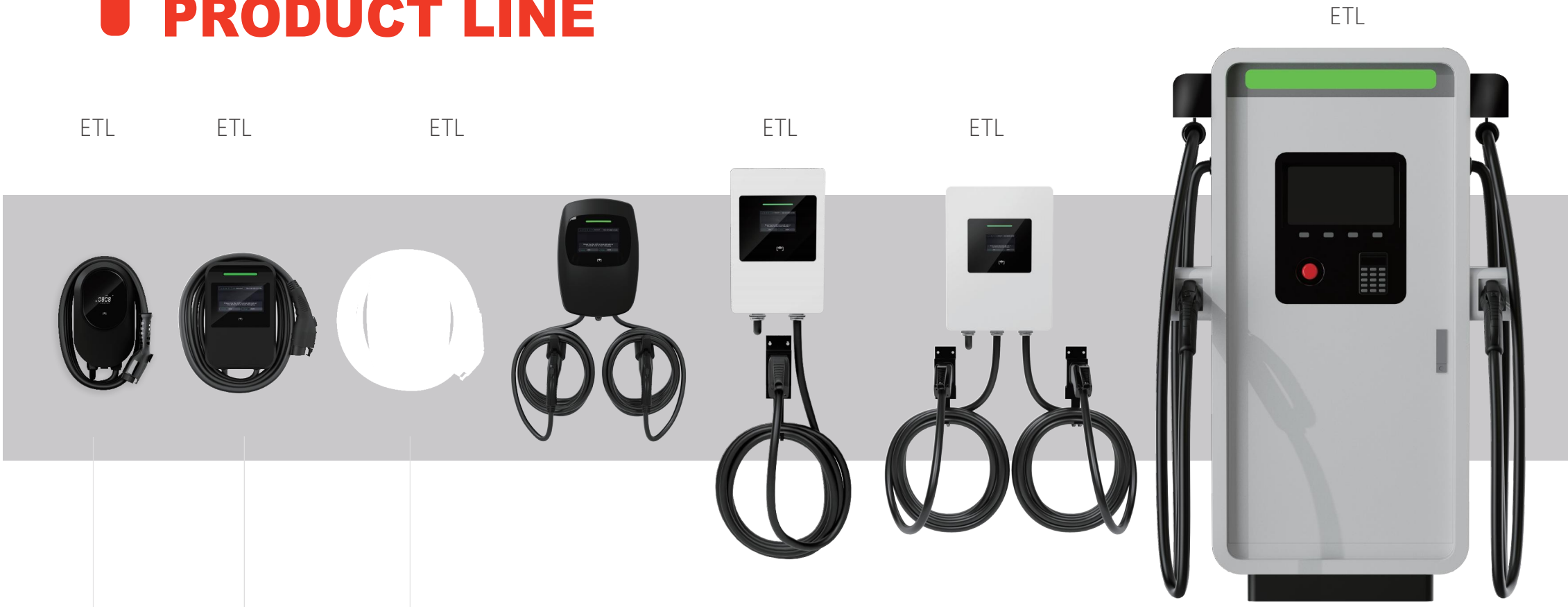
PRODUCT LINE



32/40/48/80A

64/80/96A

DC20/30/40kW

DC60kW

DC60/80/120/160/180/240kW

PRODUCT LINE

80A*2

DC60-240kW

DC 360-540kW

80A*2

PEDESTAL

Single Pedestal
155x240x1330mm

Triangular pedestal
297x330x1330mm

Back to back pedestal
367x406x2000mm

Hexagonal pedestal
250x527x2000mm

Triangular pedestal
367x406x2000mm

Triangular pedestal
367x406x2000mm

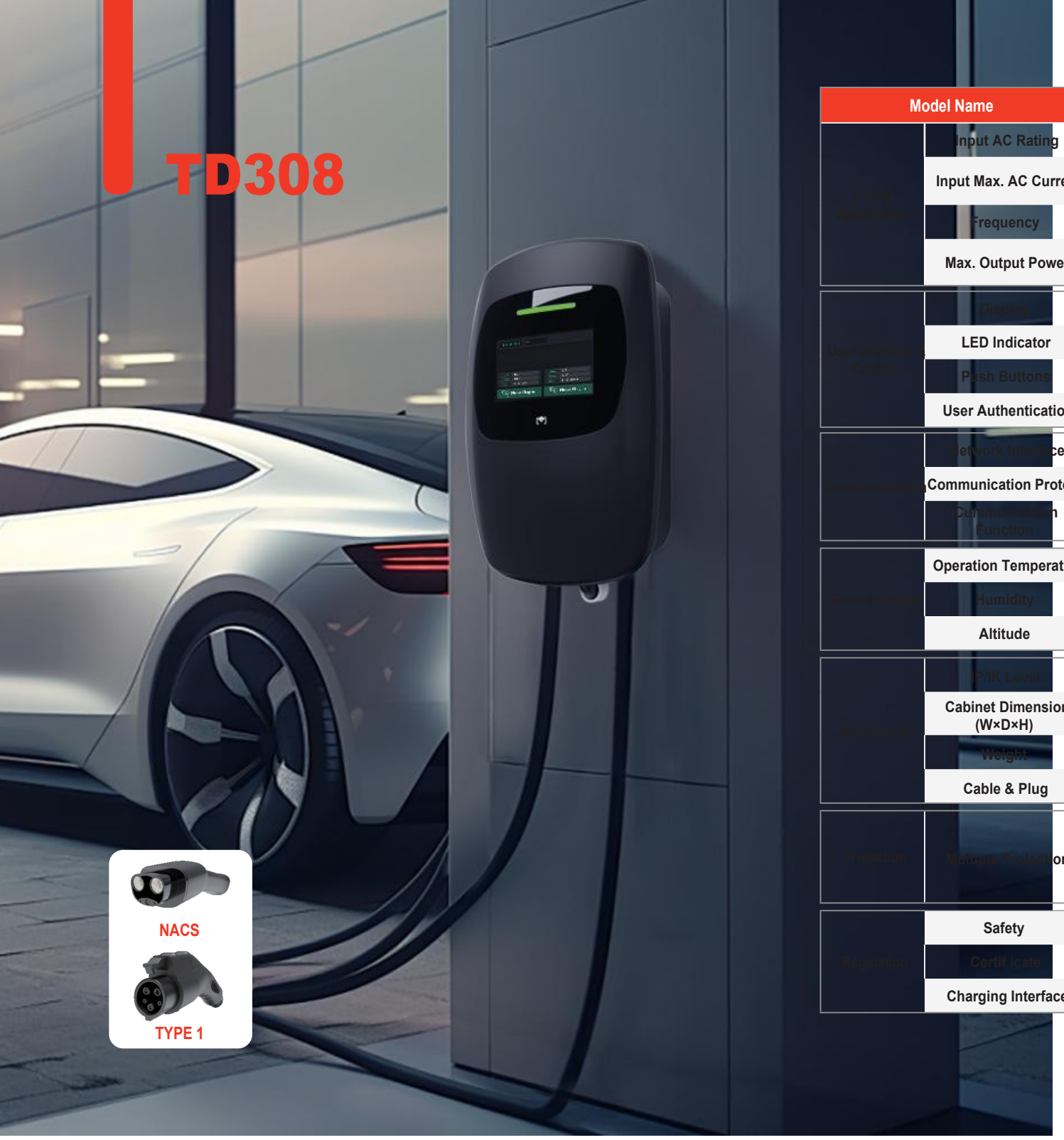
TC308

Model Name		TC308-A32	TC308-A40	TC308-A48	TC308-A80
Power Specification	Input AC Rating	208-240Vac			
	Input Max. AC Current	32A	40A	48A	80A
	Frequency	60Hz			
	Max. Output Power	7.6kW	9.6kW	11.5kW	19.2kW
User Interface & Control	Display	7" LCD Screen			
	LED Indicator	Yes			
	Push Buttons	Restart Button			
	User Authentication	RFID (ISO / IEC14443 A/B), APP			
Communicartion	Network Interface	LAN, Wi-Fi and Bluetooth Standard, 3G / 4G Optional			
	Communication Protocol	OCPP1.6 J / OCPP2.0.1 Upgradeable			
	Cummunication Function	ISO / IEC 15118 Optional			
Environmental	Operation Temperature	-22°F~122°F			
	Humidity	5%~95% RH, Non-condensing			
	Altitude	≤ 6562ft(2000m), No Derating			
Mechanical	IP/IK Level	NEMA Type3R(IP66) / IK10			
	Cabinet Dimension(W×D×H)	12.32" × 6.18" × 17.76"(313mm×157mm×451mm)			
	Weight	16.98lbs(7.7kgs)			
	Cable & Plug	Type 1 or NACS 18ft(5.5m)(Standard) / 25ft(7.5m)(Optional)			
Protection	Multiple Protection	OVP(Over Voltage Protection), OCP(Over Current Protection), OTP(Over Temperature Protection), UVP(Under Voltage Protection), SPD(Surge Protection Detection), Grounding Protection, SCP(Short Circuit Protection), Control Pilot Fault, Relay Welding Detection, CCID Self-test			
Regulation	Safety	UL 2594, UL2231-1/-2			
	Certif icate	ETL, FCC			
	Charging Interface	SAE J1772 Type 1 / NACS			

TC300

Model Name		TC300-A32	TC300-A40	TC300-A48
Power Specification	Input AC Rating	208-240Vac		
	Input Max. AC Current	32A	40A	48A
	Frequency	60Hz		
	Max. Output Power	7.6kW	9.6kW	11.5kW
User Interface & Control	Display	7" LCD Screen		
	LED Indicator	Yes		
	Push Buttons	Restart Button		
	User Authentication	RFID (ISO / IEC14443 A/B), APP		
Communicartion	Network Interface	LAN, Wi-Fi and Bluetooth Standard, 3G / 4G Optional		
	Communication Protocol	OCPP1.6 J / OCPP2.0.1 Upgradeable		
	Cummunication Function	ISO / IEC 15118 Optional		
Environmental	Operation Temperature	-22°F~122°F		
	Humidity	5%~95% RH, Non-condensing		
	Altitude	≤ 6562ft(2000m), No Derating		
Mechanical	IP / IK Level	NEMA Type3R(IP65) / IK10		
	Cabinet Dimension (W×D×H)	9.65" × 4.78" × 14.37"(245mm × 121.47mm × 365mm)		
	Weight	16.98lbs(7.7kgs)		
	Cable & Plug	Type 1 or NACS 18ft(5.5m)(Standard)/25ft(7.5m)(Optional)		
Protection	Multiple Protection	OVP(Over Voltage Protection), OCP(Over Current Protection), OTP(Over Temperature Protection), UVP(Under Voltage Protection), SPD(Surge Protection Detection), Grounding Protection, SCP(Short Circuit Protection), Control Pilot Fault, Relay Welding Detection, CCID Self-test		
Regulation	Safety	UL 2594, UL2231-1/-2		
	Certif icate	ETL, FCC		
	Charging Interface	SAE J1772 Type 1 / NACS		

TD308

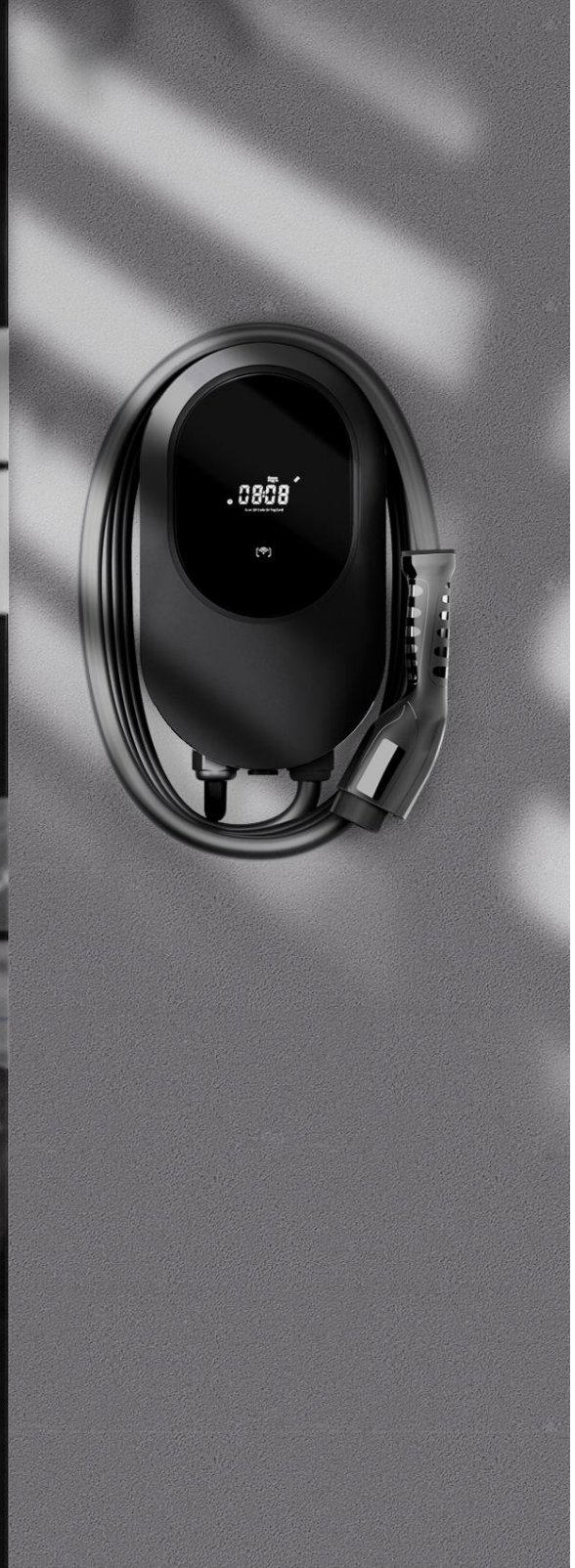


NACS

TYPE 1

Model Name		TD308-A96			
Power Specification	Input AC Rating	208-240Vac			
	Input Max. AC Current	32A+32A /64A	40A+40A /80A	48A+48A /96A 48A MAX single port	48A+48A /96A 80A MAX single port
	Frequency	60Hz			
	Max. Output Power	7.6kW+7.6kW/ 15.2kW	9.6kW+9.6kW/ 19.2kW	11.5kW+11.5kW/ 23kW	11.5kW+11.5kW/ 23kW
User Interface & Control	Display	7" LCD Screen			
	LED Indicator	Yes			
	Push Buttons	Restart Button			
	User Authentication	RFID (ISO/IEC14443 A/B), APP			
Communication	Network Interface	LAN, Wi-Fi and Bluetooth Standard, 3G/4G Optional			
	Communication Protocol	OCPP1.6 J/OCPP2.0.1 Upgradeable			
	Communication Function	ISO/IEC 15118 Optional			
Environment	Operation Temperature	-22°F~122°F			
	Humidity	5%~95% RH, Non-condensing			
	Altitude	≤6562ft(2000m), No Derating			
Mechanical	IP/IK Level	NEMA Type3R(IP66)/IK10			
	Cabinet Dimension (W×D×H)	12.32" × 6.18" × 17.76"(313mm×157mm×451mm)			
	Weight	22.05lbs(10kgs)			
	Cable & Plug	Type 1 or NACS 18ft(5.5m)(Standard)/25ft(7.5m)(Optional)			
Protection	Multiple Protection	OVP(Over Voltage Protection), OCP(Over Current Protection), OTP(Over Temperature Protection), UVP(Under Voltage Protection), SPD(Surge Protection Detection), Grounding Protection, SCP(Short Circuit Protection), Control Pilot Fault, Relay Welding Detection, CCID Self-test			
Regulation	Safety	UL 2594, UL2231-1/-2			
	Certificate	ETL, FCC			
	Charging Interface	SAE J1772 Type 1/ NACS			

TH100



NACS

TYPE 1

Model Name		TH100-A32	TH100-A40	TH100-A48
Power Specification	Input AC Rating	208-240Vac		
	Input Max. AC Current	32A	40A	48A
	Frequency	60Hz		
	Max. Output Power	7.6kW	9.6kW	11.5kW
User Interface & Control	Display	2.5" Digital Screen		
	User Authentication	RFID (ISO/IEC14443 A/B), APP		
Communicartion	Network Interface	LAN, Wi-Fi and Bluetooth Standard, 3G/4G Optional		
	Communication Protocol	OCPP1.6 J/HOME APP		
Environmental	Operation Temperature	-22°F~122°F		
	Humidity	5%~95% RH, Non-condensing		
	Altitude	≤ 6562ft(2000m), No Derating		
Mechanical	IP / IK Level	IP54 / IK10		
	Cabinet Dimension (W×D×H)	7.48" × 3.42" × 12.99"(190mm × 87mm × 330mm)		
	Weight	11.02lbs(5kgs)		
	Cable & Plug	Type 1 or NACS 18ft(5.5m)(Standard) / 25ft(7.5m)(Optional)		
Protection	Multiple Protection	OVP(Over Voltage Protection), OCP(Over Current Protection), OTP(Over Temperature Protection), UVP(Under Voltage Protection), SPD(Surge Protection Detection), Grounding Protection, SCP(Short Circuit Protection), Control Pilot Fault, Relay Welding Detection, CCID Self-test		
Regulation	Safety	UL 2594, UL2231-1/-2		
	Certif icate	ETL, FCC		
	Charging Interface	SAE J1772 Type 1 / NACS		

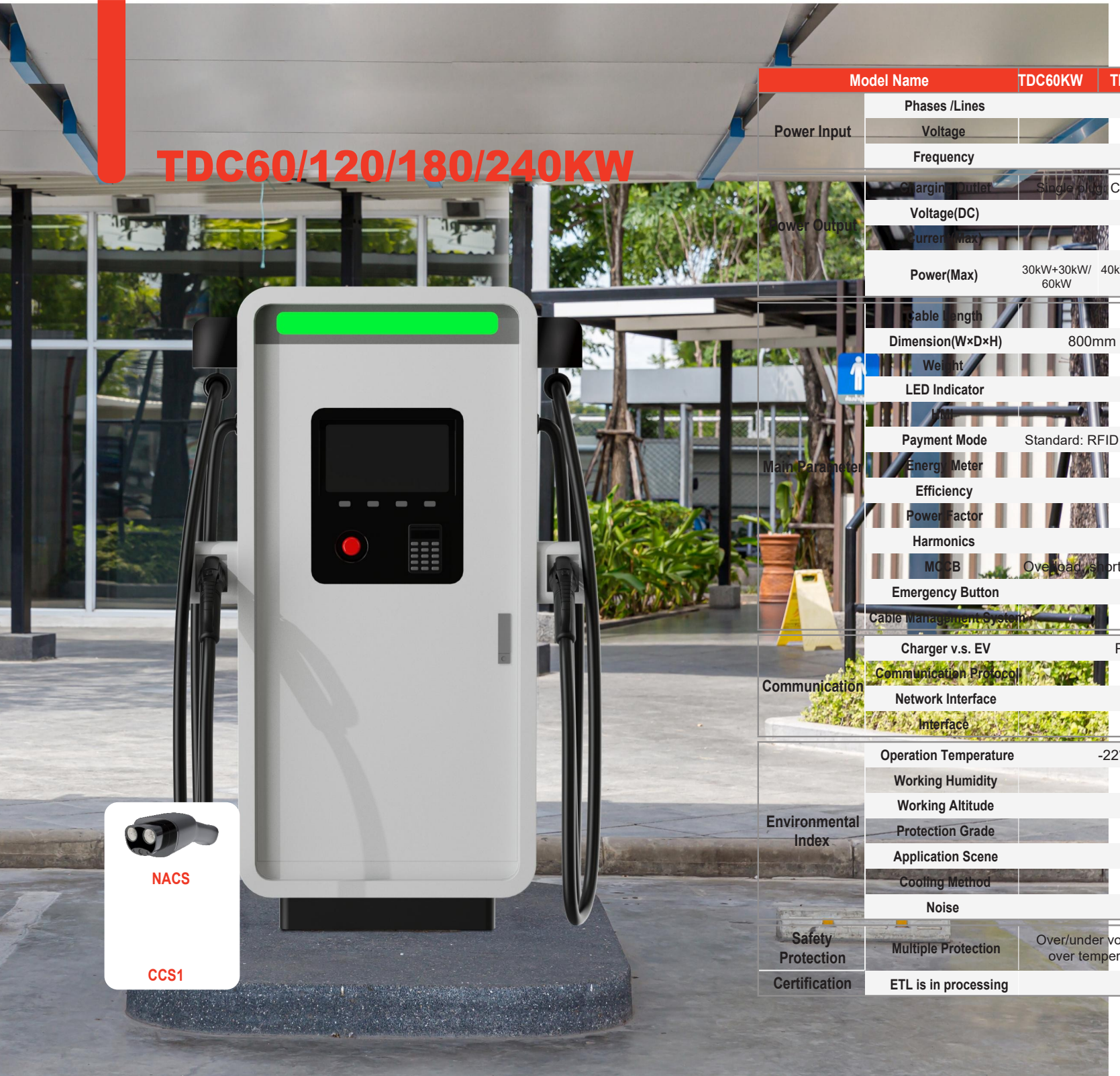
T3S-DC20/30/40KW

Model Name		T3S-DC20KW	T3S-DC30KW	T3S-DC40KW
Power Input	Phases /Lines	3P+PE+N		
	Voltage	3P 208 / 480Vac(±10%)		
	Frequency	45-65Hz		
Power Output	Charging Outlet	CCS1 / NACS		
	Voltage(DC)	200~1000V		
	Current(Max)	80A	125A	125A
	Power(Max)	18.8kW/20kW	30kW	40kW
Main Parameter	Cable Length	Standard: 18ft; Option: 25ft		
	Dimension(W×D×H)	410mm × 210mm × 620mm(16.14" × 8.27" × 24.4")		
	Weight	165.76lbs		
	LED Indicator	Yes		
	HMI	7" Touch Screen		
	Payment Mode	Standard: RFID Card (IC Card); Option: POS machine (debit / credit card, IC card)		
	Efficiency	> 95%		
	Power Factor	> 0.98(50%~100% load)		
	Harmonics	iTHD < 5%		
	MCCB	Overload, short circuit, undervoltage protection and residual current protection		
	Emergency Button	Yes		
Communication	Charger v.s. EV	PLC(DIN 70121: 2012/ISO15118-2: 2013)		
	Communication Protocol	OCPP1.6 J / OCPP2.0.1		
	Network Interface	Wifi / 3G-4G(SIM card) / Ethernet		
	Interface	CAN Bus / RS485		
Environmental Index	Operation Temperature	-22°F~122°F, will derating from 131°F or above		
	Working Humidity	5%~95% without condensation		
	Working Altitude	< 6561.68ft, No Derating		
	Protection Grade	IP54 / IK10(except LCD Screen)		
	Application Scene	Indoor / outdoor		
	Cooling Method	Independing Fan Cooling		
	Noise	< 55dB		
Safety Protection	Multiple Protection	Over/under voltage protection, overload protection, short circuit protection, over temperature protection, grounding protection, surge protection		
Certification	ETL is in processing	Conform to UL 2594, UL2231-1/-2		

T3D-DC40/60KW

Model Name		T3D-DC40KW	T3D-DC60KW
Power Input	Phases /Lines	3P+PE+N	
	Voltage	3P 480Vac(±10%)	
	Frequency	45-65Hz	
Power Output	Charging Outlet	2*CCS1/2*NACS/CCS1+NACS	
	Voltage(DC)	200~1000V	
	Current(Max)	125A	200A
	Power(Max)	20kW +20kW/40kW	30kW + 30kW/60kW
Main Parameter	Cable Length	Standard: 18f t; Option:25f t	
	Dimension(WxDxH)	580mm × 250mm × 770mm(22.83' × 9.84	32")
	Weight	165.76lbs	
	LED Indicator	Yes	
	HMI	7" Touch Screen	
	Payment Mode	Standard: RFID Card (IC Card); Option: POS machine (debit/credit card, IC card)	
	Efficiency	>95%	
	Power Factor	>0.98 (50%~100% load)	
	Harmonics	iTHD < 5%	
		Overload, circuit, undervoltage protection and residual current protection	
	Emergency Button	Yes	
Communication	Charger EV	PLC (DIN 70121: 2012/ISO15118-2: 2013)	
	Communication Protocol	OCPP1.6 J	
	Network Interface	3G-4G (SIM card)/Ethernet	
	Interface	CAN Bus/RS485	
Environmental Index	Operation Temperature	-22°F~122°F, will derating from 131°F or above	
	Working Humidity	5%~95% without condensation	
	Working Altitude	<6561.68f t, No Derating	
	Protection Grade	IP54/IK10 (except LCD Screen)	
	Application Scene	Indoor/outdoo	
	Cooling Method	Independing Fan Cooling	
	Noise	<55dB	
Safety Protection	Multiple Protection	Over/under voltage protection, overload protection, short circuit protection, over temperature protection, grounding protection, surge protection	
Certification	ETL is in processing	Conform to UL 2594, UL2231-1/-2	

TDC60/120/180/240KW



Model Name		TDC60KW	TDC80KW	TDC120KW	TDC160KW	TDC180KW	TDC240KW
Power Input	Phases /Lines	3P+PE+N					
	Voltage	3P 480Vac(±10%)					
	Frequency	45-65Hz					
Power Output	Charging Outlet	Single plug: CCS1 or NACS Dual plug: 2*CCS1/2*NACS/ CCS1+NACS					
	Voltage(DC)	200~1000V					
	Current (Max)	200A					
	Power(Max)	30kW+30kW/ 60kW	40kW+40kW/ 80kW	60kW+60kW/ 120kW	80kW+80kW/ 160kW	90kW+90kW/ 180kW	120kW+120kW/ 240kW
Main Parameter	Cable Length	Standard: 18ft; Option: 19.69~32.81ft					
	Dimension(W×D×H)	800mm × 500mm × 1800mm(31.50" × 19.69" × 70.87")					
	Weight	551.16lbs					
	LED Indicator	Yes					
	UI	10.1" Touch Screen					
	Payment Mode	Standard: RFID Card (IC Card); Option: POS machine (debit / credit card, IC card)					
	Energy Meter	MID Standard					
	Efficiency	> 95%					
	Power Factor	> 0.98(50%~100% load)					
	Harmonics	iTHD < 5%					
	MCCB	Overload, short circuit, undervoltage protection and residual current protection					
	Emergency Button	Yes					
	Cable Management System	Optional					
Communication	Charger v.s. EV	PLC(DIN 70121: 2012/ISO15118-2: 2013)					
	Communication Protocol	OCPP1.6 J / OCPP2.0.1					
	Network Interface	Wifi / 3G-4G(SIM card) / Ethernet					
	Interface	CAN Bus / RS485					
Environmental Index	Operation Temperature	-22°F~122°F, will derating from 131°F or above					
	Working Humidity	5%~95% without condensation					
	Working Altitude	< 6561.68ft, No Derating					
	Protection Grade	NEMA Type3(IP54) / IK10					
	Application Scene	Indoor / outdoor					
	Cooling Method	Independing Fan Cooling					
	Noise	< 55dB					
Safety Protection	Multiple Protection	Over/under voltage protection, overload protection, short circuit protection, over temperature protection, grounding protection, surge protection					
Certification	ETL is in processing	UL 2594, UL2231-1/-2					

DP55

NACS

TYPE 1

Model Name		DP55/48A*2	DP55/80A*2
Power Specification	Input AC Rating	208-240Vac	
	Input Max. AC Current	48A*2	80A*2
	Frequency	60Hz	
	Max. Output Power	11.5kW*2	19.2kW*2
User Interface & Control	Display	55" LCD Screen	
	LED Indicator	Yes	
	Push Buttons	Restart Button	
	User Authentication	RFID (ISO / IEC14443 A/B), APP	
Communicartion	Network Interface	LAN, Wi-Fi and Bluetooth Standard, 3G / 4G Optional	
	Communication Protocol	OCPP1.6 J / OCPP2.0.1 Upgradeable	
	Cummunication Function	ISO / IEC 15118 Optional	
Environmental	Operation Temperature	-22°F~122°F	
	Humidity	5%~95% RH, Non-condensing	
	Altitude	≤ 6562ft(2000m), No Derating	
Mechanical	IP/IK Level	NEMA Type3R(IP65) / IK10	
	Cabinet Dimension(W×D×H)	50.28" × 8.27" × 71.01"(1277mm×210mm×1829mm)	
	Weight	99.21lbs(45kgs)	
	Cable & Plug	Type 1 or NACS 18ft(5.5m)(Standard) / 25ft(7.5m)(Optional)	
Protection	Multiple Protection	OVP(Over Voltage Protection), OCP(Over Current Protection), OTP(Over Temperature Protection), UVP(Under Voltage Protection), SPD(Surge Protection Detection), Grounding Protection, SCP(Short Circuit Protection), Control Pilot Fault, Relay Welding Detection, CCID Self-test	
Regulation	Safety	UL 2594, UL2231-1/-2	
	Certif icate	ETL, FCC	
	Charging Interface	SAE J1772 Type 1 / NACS	

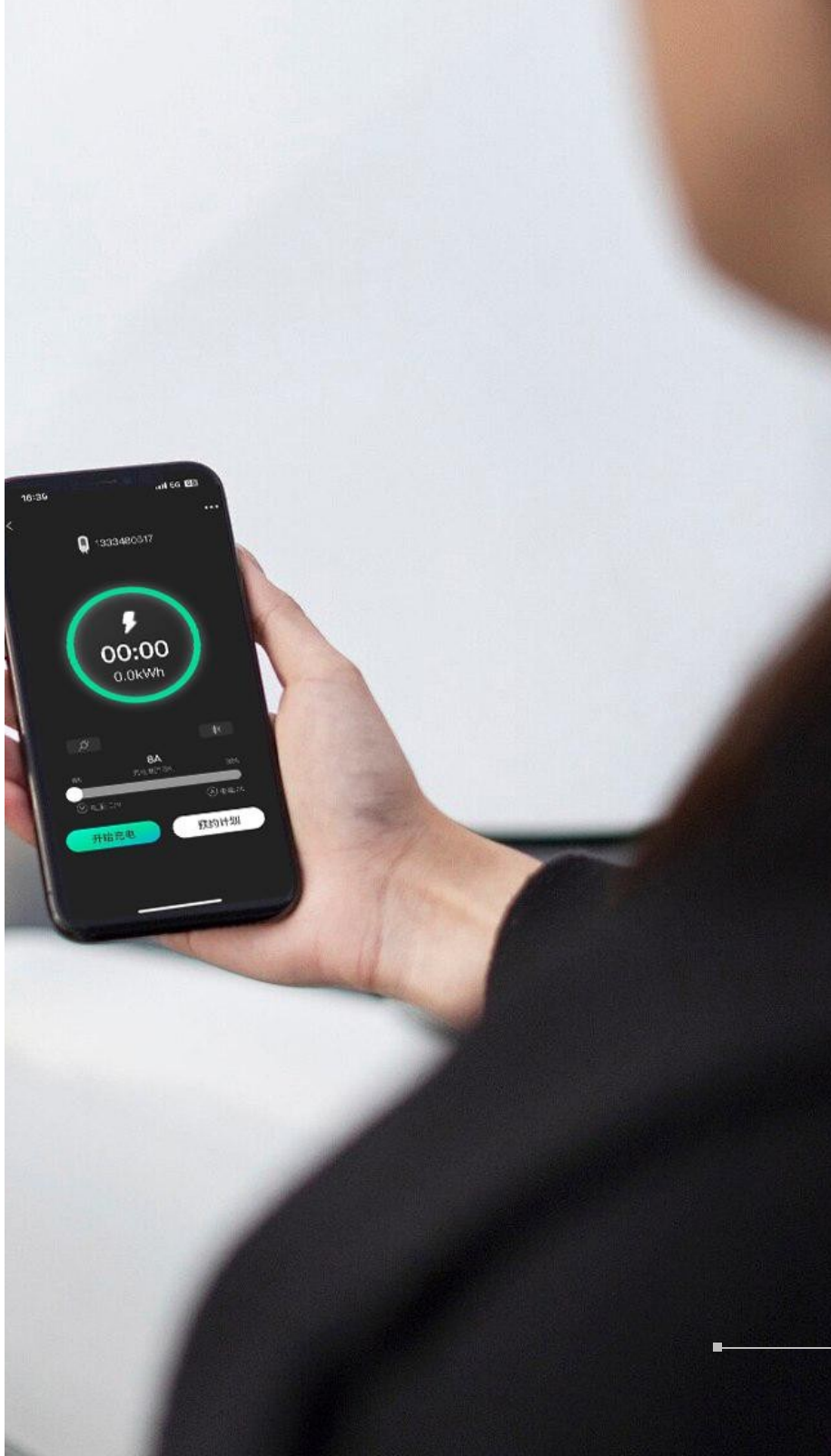
HOME APP CONTROL

ChargingC

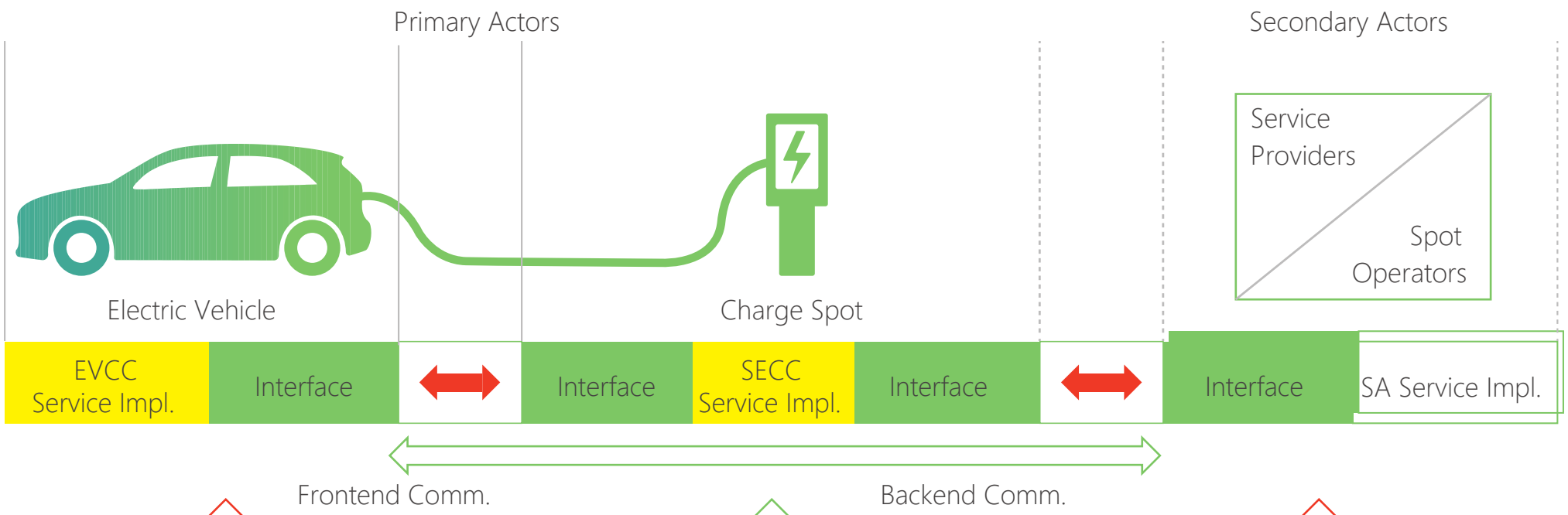
- Connect via Wifi or Bluetooth
- Remote start or stop charging
- Schedule your charging time
- Adjust the output from 48A to 8A
- Dynamic load balance setting
- View charging history and power consumption
- Restart button

Google Play

Down load on the
APP Store



ISO/IEC



IN scope of ISO/IEC 15118: Complete technical specification for Front-End Communication Interface between EVCC and SECC

IN scope of ISO/IEC 15118: Specification of trustworthy End-to-End (EV to Backend)Data Sets, e.g.Auth. Credentials,Tariffs,Schedules etc

NOT in scope of ISO/IEC 15118: Backend Communication Interfaces to Secondary Actors

DYNAMIC LOAD BALANCING

Zero investment on upgrading electrical capacity to fulfill EV charging needs, saving money and time.
Fully utilize the ready electrical power of the house not in use.
Manage and dynamically adjust the charging load for EV point in a smart and congruous way.