



DWIN TECHNOLOGIES

2024

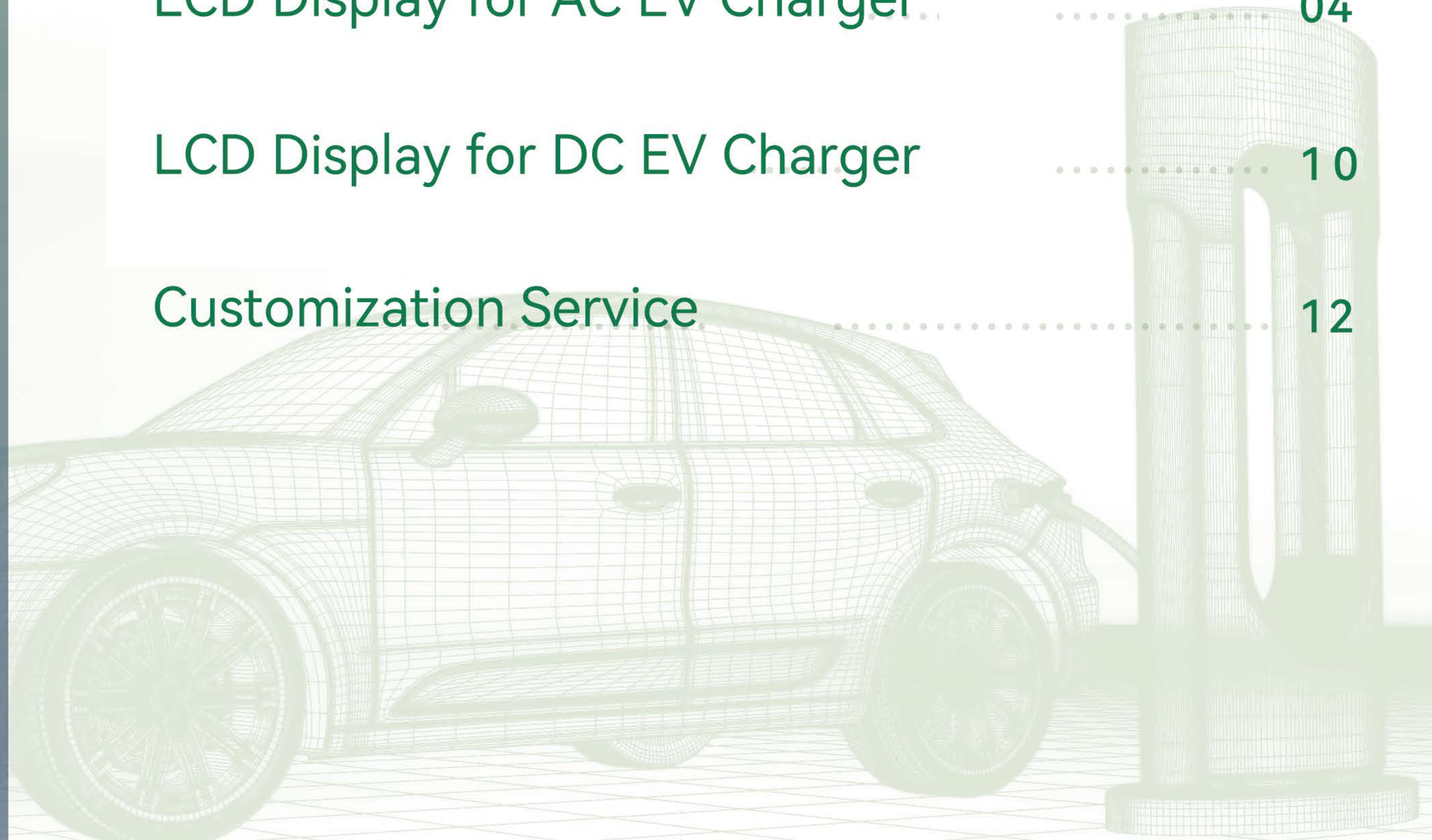
IDEAL PARTNER FOR YOU

DWIN Smart LCD Display for EV Charging



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400000 m²
Manufacturing and service base

01

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DWIN Technology, established in 2003, is a high-tech enterprise specializing in human-machine interaction products and solutions. Leveraging its strong foundation in IC design, the company focuses on innovative research and development in intelligent screen applications. DWIN has successfully achieved high-level integration across the entire industry chain.

The company is headquartered in Zhongguancun, Beijing, with 2 core enterprises, 3 subsidiaries, 9 domestic branches and offices, and 39 overseas service points. DWIN has served nearly 50,000 customers, with its services extending globally.



AC EV Charger

Model	Size	Resolution	LCD Panel	Touch Panel	Brightness	Voltage	Work Temperature	Features
DMG48270C043_04W	4.3inch	480*272	TV-TN	None / RTP / CTP	250nit	4.5~5.5V	-20℃~70℃	DGUS software, TTL+RS232
DMG48270C043_15WTR	4.3inch	480*272	TV-TN	RTP	250nit	6~36V	-20℃~70℃	DGUS software, RS232+RS485, with shell
DMG80480T043_09W	4.3inch	480*800	IPS	None / RTP / CTP	800nit	6~36V	-20℃~70℃	DGUS software, TTL+RS232
HDW043_001L	4.3inch	480*800	IPS	CTP	250nit	3.6~6.0V	-20℃~70℃	HDMI interface
HDW043_A5001L	4.3inch	480*800	IPS	CTP	250nit	12~36V	-20℃~70℃	HDMI interface, with shell

DC EV Charger

Model	Size	Resolution	LCD Panel	Touch Panel	Brightness	Voltage	Work Temperature	Features
DMG80480T070_09W	7.0inch	800*480	TN	None / RTP / CTP	700nit	6~36V	-20℃~70℃	DGUS software, TTL+RS232
DMG80480T070_15WTR	7.0inch	800*480	TN	RTP	250nit	7~36V	-20℃~70℃	DGUS software, RS232+RS485, with shell, speaker
DMG10600T070_A5WTC	7.0inch	1024*600	IPS	CTP	250nit	7~36V	-20℃~70℃	DGUS software, RS232+RS485, with shell, speaker
DMG10600T101_A5WTC	10.1inch	1024*600	IPS	CTP	200nit	7~36V	-20℃~70℃	DGUS software, RS232+RS485, with shell, speaker
DMG80480T070_09WTCZ18	7.0inch	800*480	TN	CTP	700nit	6~36V	-20℃~70℃	DGUS software, TTL+RS232, double row LED light
DMG80480T070_15WTRZ89	7.0inch	800*480	TN	RTP	700nit	7~36V	-20℃~70℃	DGUS software, RS232+RS485, with shell, speaker
DMG19108C156_05WTC	15.6inch	1920*1080	IPS	CTP	250nit	12~36V	-10℃~60℃	DGUS software, TTL+RS232
DMG19108C215_05WTC	21.5inch	1920*1080	IPS	CTP	150nit	15~36V	0℃~50℃	DGUS software, TTL+RS232
HDW070_004L	7.0inch	800*480	TN	CTP	500nit	4.6~6.0V	-20℃~70℃	LVDS communication, DVI-I interface, with shell
HDW070_005L	7.0inch	800*480	TN	CTP	900nit	3.6~6.0V	-20℃~70℃	LVDS communication, DVI-I interface
HDW101_A5001L	10.1inch	1024*600	IPS	CTP	450nit	7~36V	-10℃~60℃	HDMI interface, with shell
HDW104_RTD	10.4inch	1024*768	IPS	CTP	300nit	9~30V	-20℃~70℃	HDMI interface, VGA interface, speaker
HDW215_002L	21.5inch	1920*1080	TN	CTP	300nit	220V(AC)	0℃~50℃	HDMI interface, VGA interface, speaker
HDW070_005LGW	7.0inch	800*480	TN	CTP	900nit	3.6~6.0V	-20℃~70℃	LVDS communication, DVI-I interface, LED light
HDW070_005LGWS	7.0inch	800*480	TN	CTP	900nit	3.6~6.0V	-20℃~70℃	LVDS communication, DVI-I interface, double row LED light
HDW070_005LZ15	7.0inch	800*480	TN	CTP	900nit	3.6~6.0V	-20℃~70℃	LVDS communication, DVI-I interface, circular glass cover

LCD Display for AC EV Charger

LCD display for AC EV charging station mainly feature 4.3-inch small to medium-sized displays. These screens are ideally suited for installation in various environments such as office areas, underground parking facilities, residential parking spaces, and similar locations where EV charging stations are deployed.



Product Features:

- Two main options: DGUS platform serial screens and display monitors:
 - DGUS Platform Serial Screens: running on the DGUS system, featuring serial communication, flexible UI design, and rapid UI development with zero code.
 - Monitors Include HDMI Interface Screens and LVDS Screens: compatible with Linux, Android, and Windows operating systems.
- Multi-Options: includes products with different resolutions, brightness levels, sizes, and structural designs.
- Support for Various Customization Services: offers customization for different processes, glass covers, and other hardware components, focusing on high reliability.

Application



Underground Parking



Factory



Home



Residential Compound

LCD Display for AC EV Charger

Specification



Model		DMG48270C043_04W	DMG48270C043_15WTR	DMG80480T043_09W	HDW043_001L	HDW043_A5001L
Display	Size(inch)	4.3	4.3	4.3	4.3	4.3
	LCD Type	TV-TN	TV-TN	IPS	IPS	IPS
	Colour	262K,18 bit	262K,18 bit	262K,18 bit	16.7M,24 bit	16.7M,24 bit
	Active Area(mm)	95.04(W)×53.86(H)	95.00(W)×53.90(H)	93.6 (W)×56.16 (H)	93.6 (W) × 56.2 (H)	93.20 (W) ×55.76 (H)
	Resolution	480*272	480*272	480*800	480*800	480*800
	Brightness(nit)	250	250	800	250	250
	Ratio	16:9	16:9	16:9	16:9	16:9
Development	Chip	T5L0	T5L0	T5L0	/	/
	Communication	TTL/RS232	RS232/RS485	TTL/RS232	HDMI interface LCD	HDMI interface LCD
	Flash	16MBytes	8MBytes	16MBytes	/	/
Safety	Safety Protection	ESD Air: ±4KV; Contact: ±4KV	ESD Air: ±4KV; Contact: ±4KV	ESD Air: ±8KV; Contact: ±6KV EFT: ±2KV	ESD Air: ±8KV; Contact: ±6KV EFT: ±2KV	ESD Air: ±8KV; Contact: ±6KV EFT: ±2KV
	Special Protection	/	/	Anti-UV & conformal coating	/	Front waterproof
Environment	Work Temperature(°C)	-10~60°C 5V(@ 60% RH)	-20~70°C(12V @ 60% RH)	-10~60°C (12V @ 60% RH)	-20~70°C (5V @ 60% RH)	-20~70°C (12V @ 60% RH)
	Voltage(V)	4.5-5.5	6-36	6-36	3.6-6	12-36
	Current(mA)	200	109	200	/	120
Touch Panel Type		RTP/CTP/None	RTP	RTP / CTP / None	CTP	CTP
Peripheral		Buzzer	RTC,Buzzer	RTC Buzzer	USB interface (TP extended)	USB interface (TP extended)
Function		/	/	Wi-Fi & USB module interface reserved	Support Linux, Android & Windows	

LCD Display for DC EV Charger

DC EV chargers require touch screens with appropriate size (7-15 inches), capacitive technology, anti-glare, waterproofing, high brightness, and wide viewing angles. Technical specs like resolution, touch sensitivity, operating temperature, and durability are crucial. Seamless integration with the charger's system is essential for optimal functionality.



Application



Product Features:

- Two main options: DGUS platform serial screens and display monitors:
 - DGUS Platform Serial Screens: running on the DGUS system, featuring serial communication, flexible UI design, and rapid UI development with zero code.
 - Display Monitors Include HDMI Interface Screens and LVDS Screens: compatible with Linux, Android, and Windows operating systems.
- Product Diversity and Customization:
 - High Brightness Screen: ensures clear visibility even in bright sunlight.
 - Wide Temperature Screen: operates reliably in extreme weather conditions.
 - High-Resolution Wide-Angle Display: delivers detailed images with clarity from any viewing angle. Strong Anti-Interference: resistant to electromagnetic interference to ensure the EV charger's normal operation.
- IP65 Protection Rating: with Anti-UV & conformal coating, with stands exposure to sunlight, rain, and wind for durability and reliability.
- Supports Various Customization Services: offers hardware customization options tailored to different reliability requirements, including customized processes and cover glass.

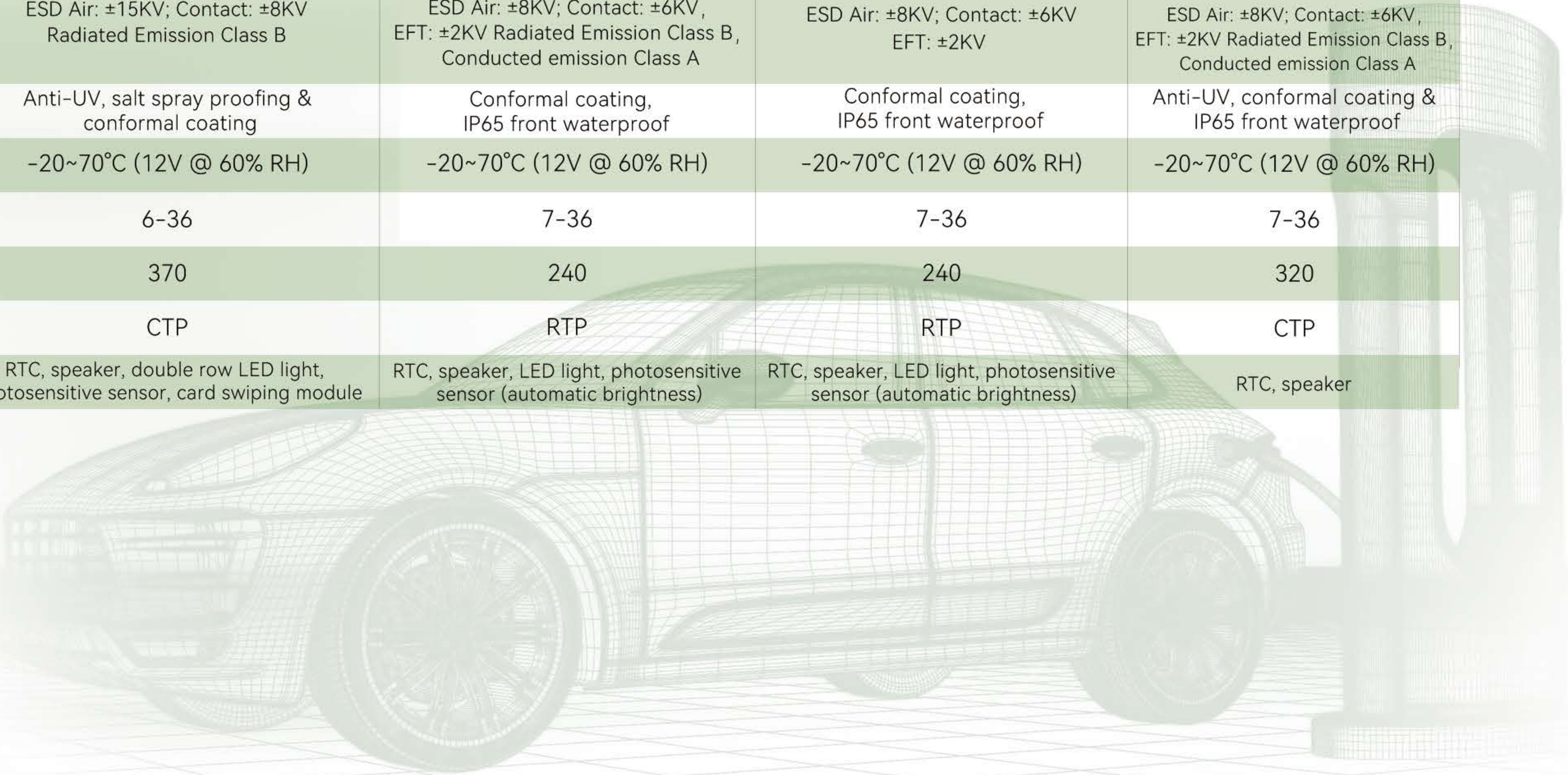
LCD Display for DC EV Charger

Specification



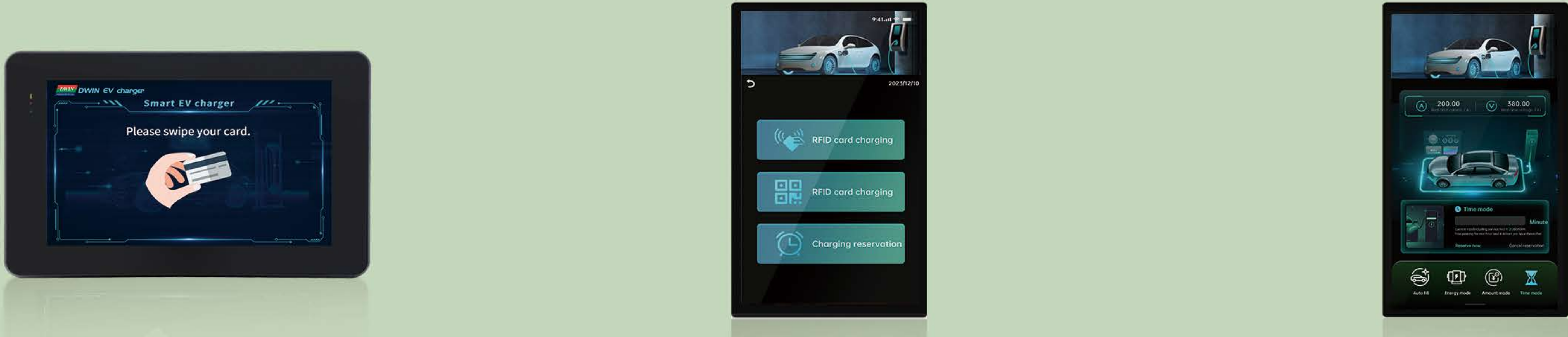
Model		DMG80480T070_09W	DMG80480T070_09WTCZ18	DMG80480T070_15WTR	DMG80480T070_15WTRZ89	DMG10600T070_A5WTC
Display	Size inch	7.0	7.0	7.0	7.0	7.0
	LCD Type	TN	TN	TN	TN	IPS
	Colour	262K,18 bit	262K,18 bit	16.7M,24 bit	16.7M,24 bit	16.7M,24 bit
	Active Area(mm)	154.08 (W)×85.92 (H)	154.08 (W)×85.92 (H)	154.20 (W) ×85.88 (H)	154.20 (W) ×85.88 (H)	154.20 (W) ×85.88 (H)
	Resolution	800*480	800*480	800*480	800*480	1024*600
	Brightness(nit)	700	700	250	250	250
	Ratio	16:9	16:9	16:9	16:9	16:9
Development	Chip	T5L0	T5L0	T5L1	T5L1	T5L2
	Communication	TTL/RS232	TTL/RS232	RS232/RS485	RS232/RS485	RS232/RS485/CAN
	Flash	16MBytes	16MBytes	16MBytes	16MBytes	32MBytes
Safety	Safety Protection	ESD Air: ±8KV; Contact: ±6KV EFT: ±2KV Radiated Emission Class B Conducted emission Class A	ESD Air: ±15KV; Contact: ±8KV Radiated Emission Class B	ESD Air: ±8KV; Contact: ±6KV, EFT: ±2KV Radiated Emission Class B, Conducted emission Class A	ESD Air: ±8KV; Contact: ±6KV EFT: ±2KV	ESD Air: ±8KV; Contact: ±6KV, EFT: ±2KV Radiated Emission Class B, Conducted emission Class A
	Special Protection	Anti-UV & conformal coating	Anti-UV, salt spray proofing & conformal coating	Conformal coating, IP65 front waterproof	Conformal coating, IP65 front waterproof	Anti-UV, conformal coating & IP65 front waterproof
Environment	Work Temperature (°C)	-20~70°C (12V @ 60% RH)	-20~70°C (12V @ 60% RH)	-20~70°C (12V @ 60% RH)	-20~70°C (12V @ 60% RH)	-20~70°C (12V @ 60% RH)
	Voltage (V)	6-36	6-36	7-36	7-36	7-36
	Current (mA)	340	370	240	240	320
Touch Panel Type		RTP / CTP / None	CTP	RTP	RTP	CTP
Peripheral		RTC, buzzer	RTC, speaker, double row LED light, photosensitive sensor, card swiping module	RTC, speaker, LED light, photosensitive sensor (automatic brightness)	RTC, speaker, LED light, photosensitive sensor (automatic brightness)	RTC, speaker

RE:Radiated Emission



LCD Display for DC EV Charger

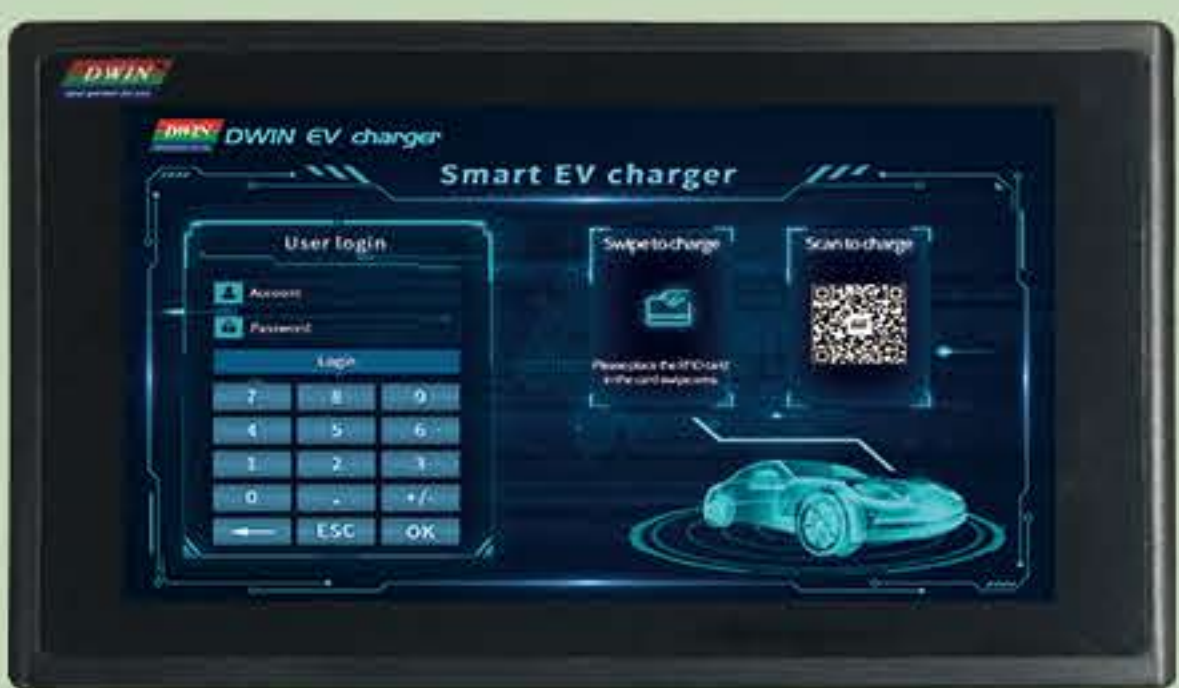
Specification



Model		DMG10600T101_A5WTC	DMG19108C156_05WTC	DMG19108C215_05WTC
Display	Size (inch)	10.1	15.6	21.5
	LCD Type	IPS	IPS	IPS
	Colour	16.7M,24 bit	16.7M,24 bit	16.7M,24 bit
	Active Area(mm)	222.70 (W) ×125.30 (H)	343.2 (W)×192.6 (H)	476.1 (W)×267.9 (H)
	Resolution	1024*600	1920*1080	1920*1080
	Brightness(nit)	200	250	150
	Ratio	16:9	16:9	16:9
Development	Chip	T5L2	T5L2	T5L2
	Communication	RS232/RS485	TTL/RS232	TTL/RS232
	Flash	32MBytes	32MBytes	32MBytes
Safety	Safety Protection	ESD Air :±8KV; Contact: ±6KV, EFT: ±2KV Radiated Emission Class B, Conducted emission Class A	ESD Air: ±4KV; Contact: ±4KV	ESD Air: ±4KV; Contact: ±4KV
	Special Protection	Anti-UV, conformal coating & IP65 front waterproof	/	/
Environment	Work Temperature (°C)	-20~70°C (12V @ 60% RH)	-10~60°C (12V @ 60% RH)	0~50°C (24V @ 60% RH)
	Voltage (V)	7-36	12-36	15-36
	Current (mA)	340	580	850
Touch Panel Type		CTP	CTP	CTP
Peripheral		RTC, speaker, IO & AD interface reserved	RTC, buzzer onboard, speaker interface	RTC, buzzer onboard, speaker interface
Function		/	Support video/advertising playback and glass cover customization to meet customers' personalized needs	

LCD Display for DC EV Charger

Specification



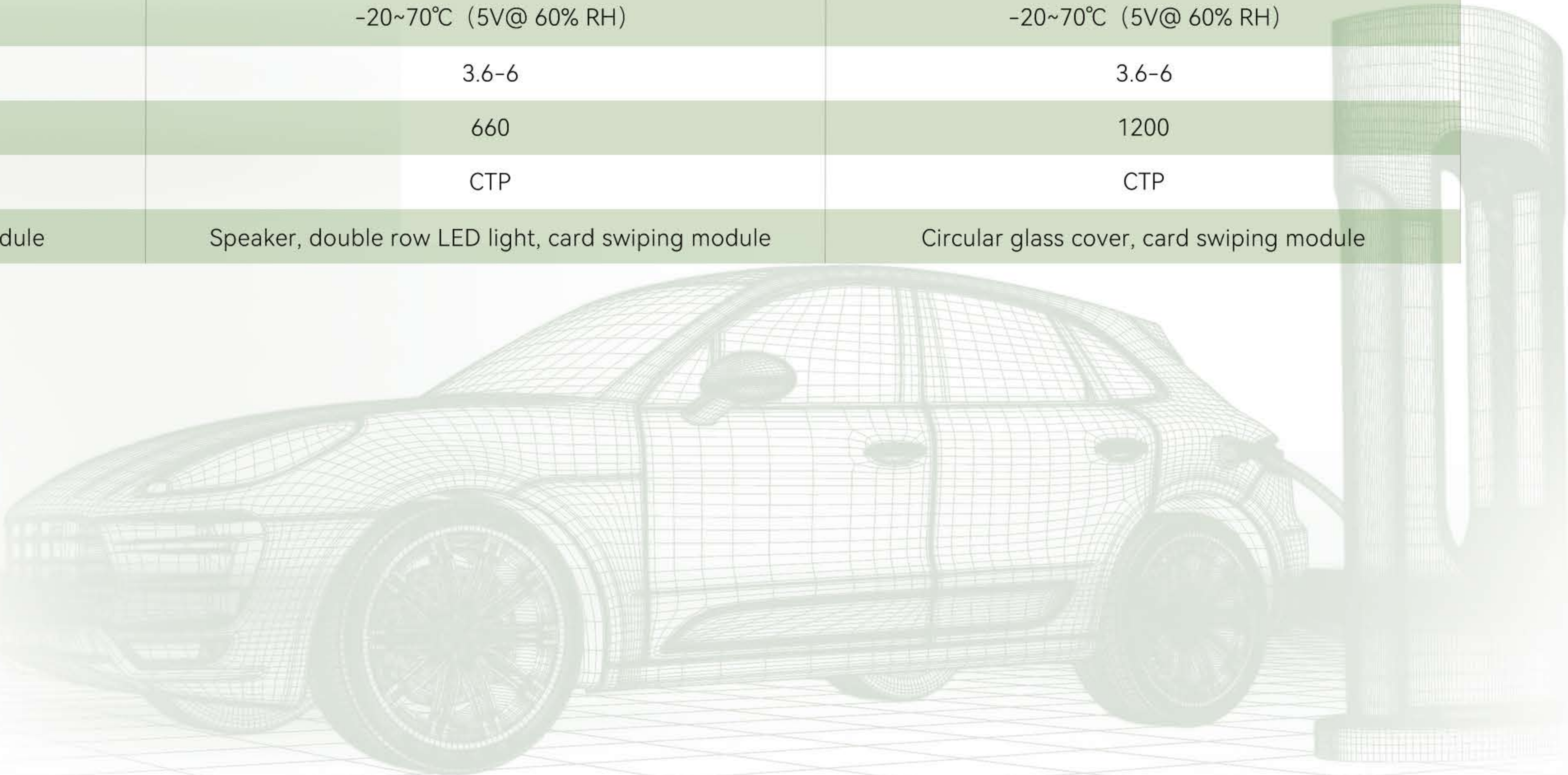
Model		HDW070_004L	HDW070_005L	HDW101_A5001L	HDW104_001RTD	HDW215_002L
Display	Size(inch)	7.0	7.0	10.1	10.4	21.5
	LCD Type	TN	TN	IPS	IPS	IPS
	Colour	16.7M,24 bit	16.7M,24 bit	16.7M,24 bit	16.7M,24 bit	16.7M,24 bit
	Active Area(mm)	154.1 (W) ×85.9 (H)	154.08 (W)×85.92 (H)	222.70(W)×125.30(H)	211.2(W)×158.4(H)	268.46(W)×476.80(H)
	Resolution	800*480	800*480	1024*600	1024*768	1920*1080
	Brightness(nit)	500	900, With auto-adjusting backlight levels	450	300	300
	Ratio	16:9	16:9	16:9	16:9	16:9
Development	Communication	LVDS, DVI-I interface	LVDS, DVI-I interface	HDM linterface	HDMI interface, VGA interface	HDMI interface, VGA interface
Safety	Safety Protection	ESD Air: ±8KV; Contact: ±6KV EFT: ±2KV	ESD Air: ±8KV; Contact: ±6KV EFT: ±2KV	ESD Air: ±8KV; Contact: ±6KV EFT: ±2KV	ESD Air: ±8KV; Contact: ±6KV EFT: ±2KV	ESD Air: ±8KV; Contact: ±6KV EFT: ±2KV
	Special Protection	Anti-UV, conformal coating & IP65 front waterproof	Anti-UV (F1 grade) & conformal coating	IP65 Front waterproof	/	/
Environment	Work Temperature(°C)	-20~70°C (5V @ 60% RH)	-20~70°C (5V @ 60% RH)	-20~70°C (12V @ 60% RH)	-20~70°C (12V @ 60% RH)	0~50°C (220V @ 60% RH)
	Voltage(V)	4.6~6	3.6~6	7~36	9~30	220V (AC)
	Work Voltage(mA)	760	660	460	480	320
Touch Panel Type		RTP	CTP	CTP	CTP	CTP
Peripheral		/	/	USB interface (TP extended)	Speaker USB interface (touch panel extended)	Audio interface, USB interface (touch panel extended)
Function		Support Linux, Android & Windows				

LCD Display for DC EV Charger

Specification

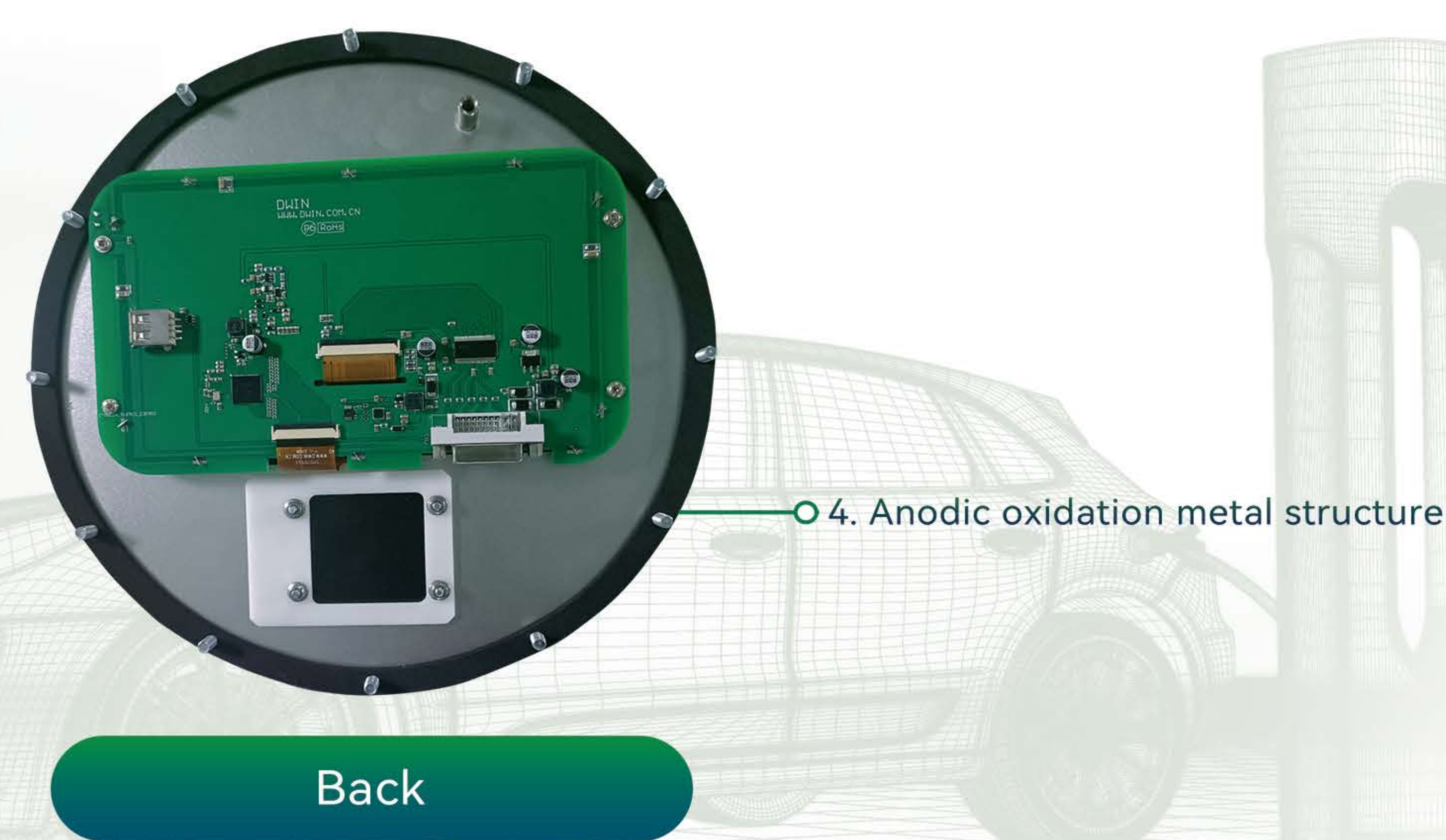
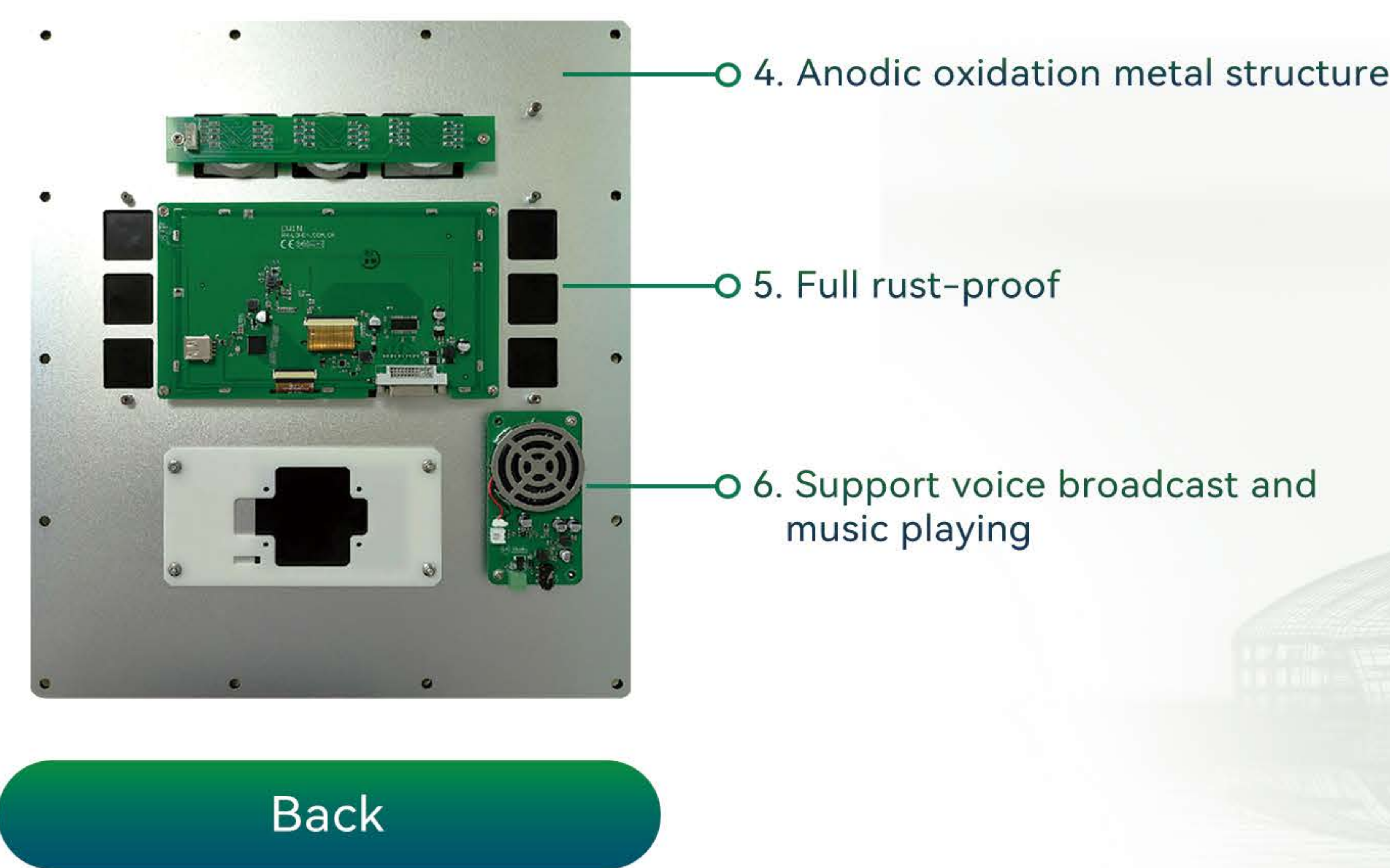
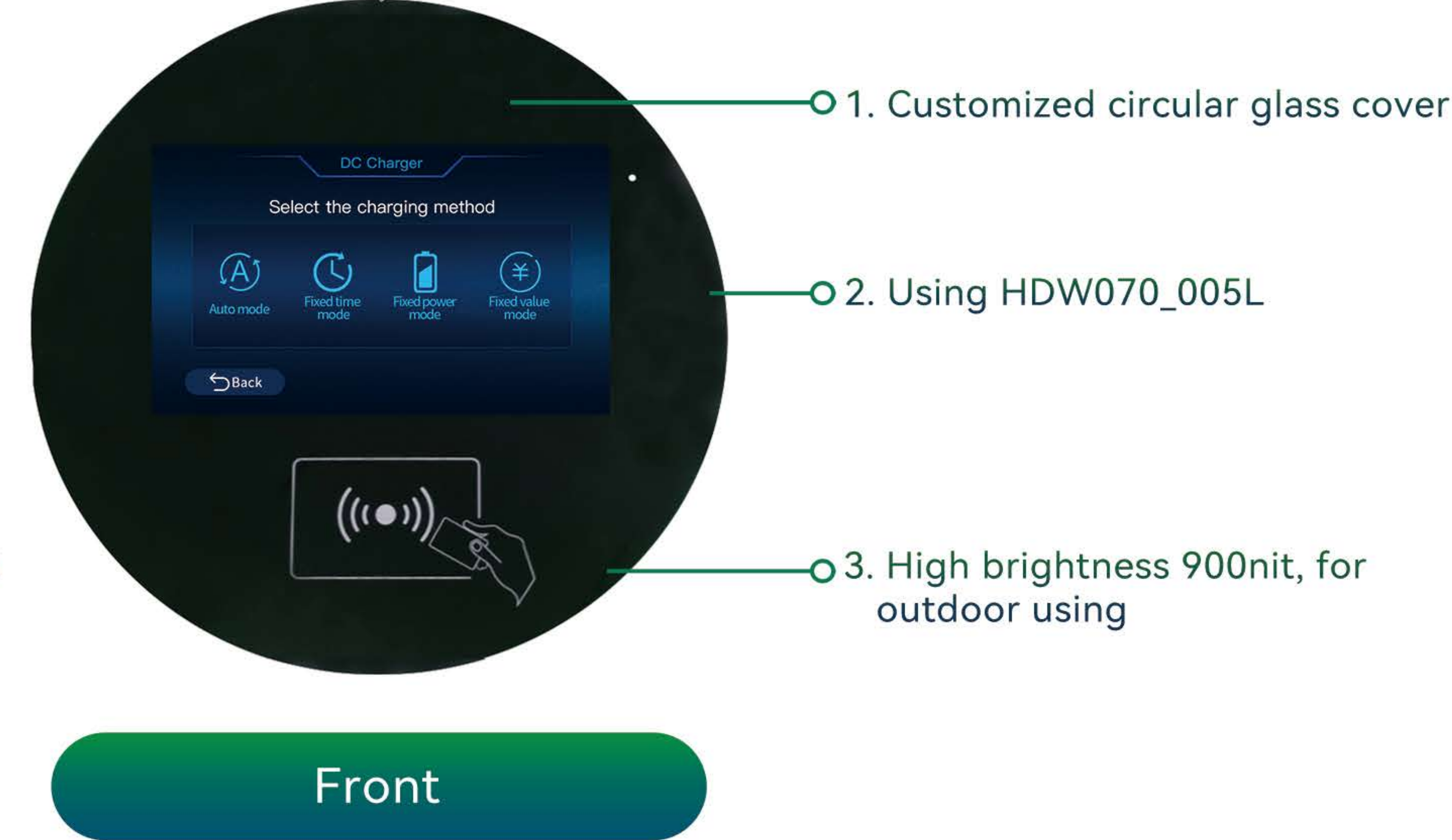
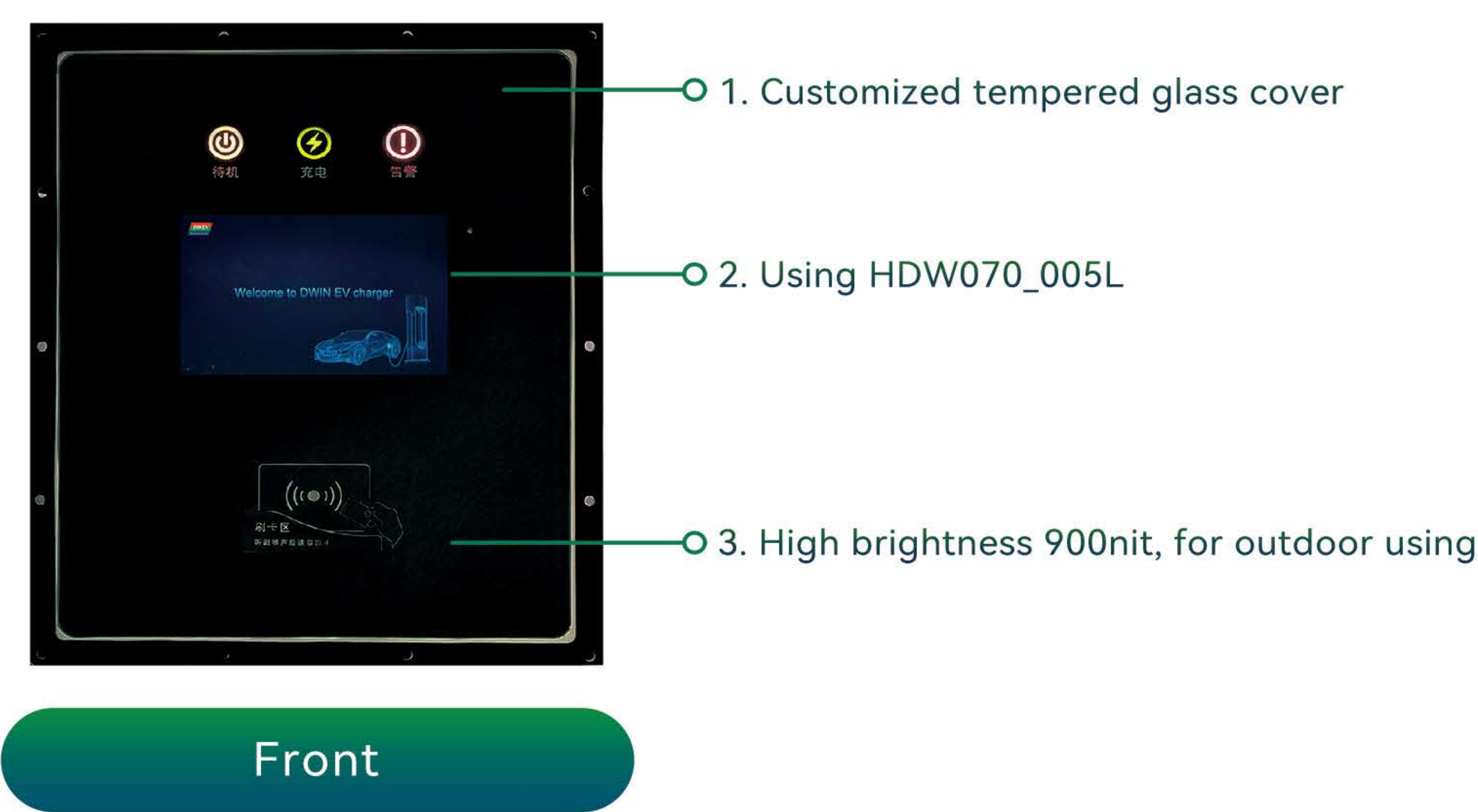


Model		HDW070_005LGW	HDW070_005LGWS	HDW070_005LZ15
Display	Size (inch)	7.0	7.0	7.0
	LCD Type	TN	TN	TN
	Colour	16.7M,24 bit	16.7M,24 bit	16.7M,24 bit
	Active Area(mm)	155.08(W)×86.92(H)	155.08(W)×86.92(H)	154.08 (W)×85.92 (H)
	Resolution	800*480	800*480	800*480
	Brightness(nit)	900, With auto-adjusting backlight levels	900, With auto-adjusting backlight levels	900
	Ratio	16:9	16:9	16:9
Development	Communication	LVDS, DVI-I interface	LVDS, DVI-I interface	LVDS, DVI-I interface
Safety	Safety Protection	RS: 80M-960M 10V/m A-grade, 1.4G-6G 3V/m A-grade, ESD Air: ±8KV, Contact: ±6KV, EFT: ±2KV, PFMF 30A/m 50Hz A-grade, CE 0.15-80M 10Vrms A-grade		
Peripheral	Special Protection	Anti-UV (F1 grade), salt spray proofing & conformal coating	Anti-UV, salt spray proofing & conformal coating	Anti-UV, salt spray proofing & conformal coating
Environment	Work Temperature (°C)	-20~70°C (5V@ 60% RH)	-20~70°C (5V@ 60% RH)	-20~70°C (5V@ 60% RH)
	Work Voltage (V)	3.6-6	3.6-6	3.6-6
	Work Current (mA)	660	660	1200
Touch Panel Type		CTP	CTP	CTP
Function/Features		Speaker, LED light, card swiping module	Speaker, double row LED light, card swiping module	Circular glass cover, card swiping module



LCD Display for DC EV Charger

Customization based on HDW070_005L



Support cover glass appearance customization, UI design services, special craftsmanship, and other personalized customization needs.

Special Shape Cover Glass Customization



UI Customization



Special craftsmanship



Ultra-wide Working Temperature
(-40°C~85°C)



High Brightness
(1500nit: up to 1500nit)



Anti-UV



Anti-glare



Sunlight Readable



Anti-electromagnetic Interference



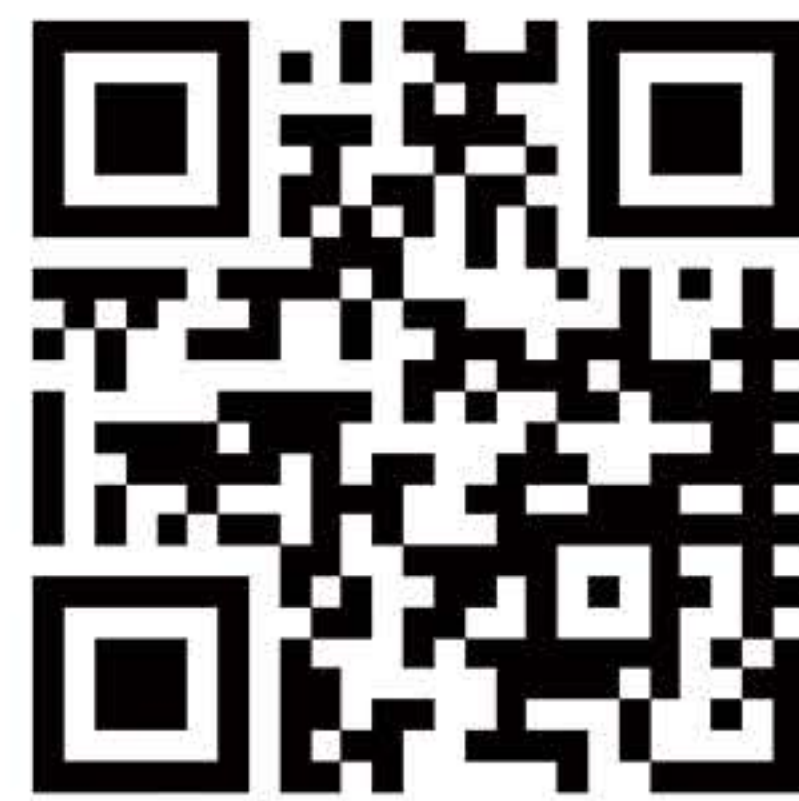
High Temperature &
High Humidity Resistance
(-40~85°C, 10%~95%RH)



Salt Spray Proofing



IK10



Official Website



Linkedin



Alibaba



YouTube

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