CRYSTAL DISPLAY SYSTEMS LTD

EV Charger Displays and Touchscreens Brochure
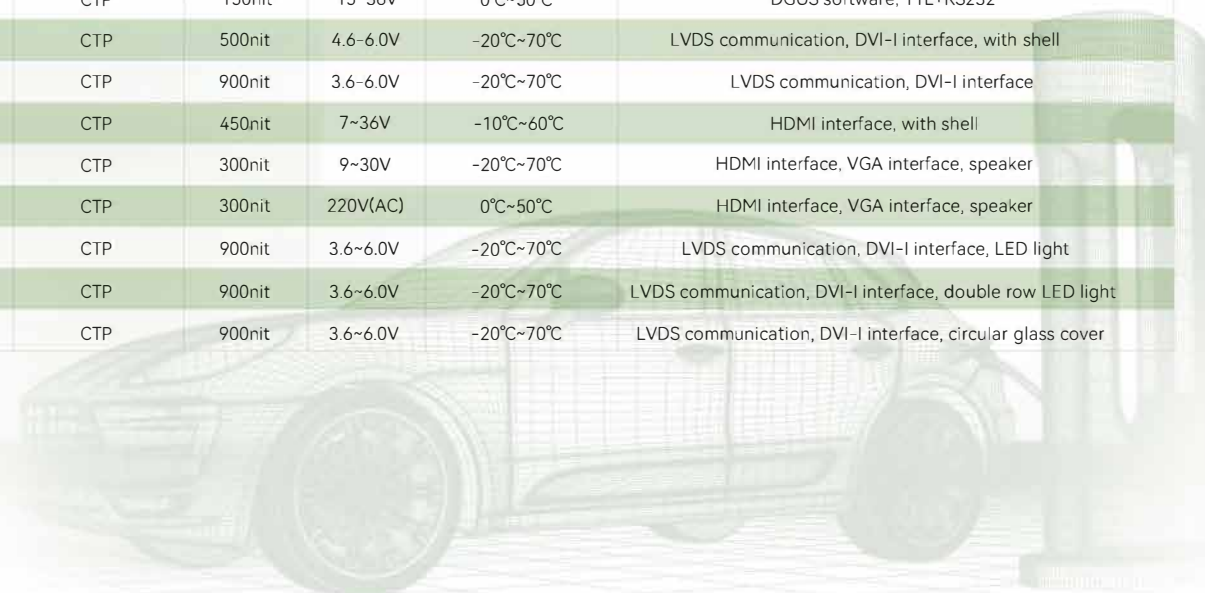
CDS
Crystal Display Systems Ltd

Product

AC EV Charger

Model	Size	Resolution	LCD Panel	Touch Panel	Brightness	Voltage	Work Temperature	Features
CDS48270C043_04W	4.3inch	480*272	TV-TN	None / RTP / CTP	250nit	4.5~5.5V	-20℃~70℃	DGUS software, TTL+RS232
CDS48270C043_15WTR	4.3inch	480*272	TV-TN	RTP	250nit	6~36V	-20℃~70℃	DGUS software, RS232+RS485, with shell
CDS80480T043_09W	4.3inch	480*800	IPS	None / RTP / CTP	800nit	6~36V	-20℃~70℃	DGUS software, TTL+RS232
CDS043_001L	4.3inch	480*800	IPS	CTP	250nit	3.6~6.0V	-20℃~70℃	HDMI interface
CDS043_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
CDS80480T070_09W	7.0inch	800*480	TN	None / RTP / CTP	700nit	6~36V	-20℃~70℃	DGUS software, TTL+RS232
CDS80480T070_15WTR	7.0inch	800*480	TN	RTP	250nit	7~36V	-20℃~70℃	DGUS software, RS232+RS485, with shell, speaker
CDS10600T070_A5WTC	7.0inch	1024*600	IPS	CTP	250nit	7~36V	-20℃~70℃	DGUS software, RS232+RS485, with shell, speaker
CDS10600T101_A5WTC	10.1inch	1024*600	IPS	CTP	200nit	7~36V	-20℃~70℃	DGUS software, RS232+RS485, with shell, speaker
CDS80480T070_09WTCZ18	7.0inch	800*480	TN	CTP	700nit	6~36V	-20℃~70℃	DGUS software, TTL+RS232, double row LED light
CDS80480T070_15WTRZ89	7.0inch	800*480	TN	RTP	700nit	7~36V	-20℃~70℃	DGUS software, RS232+RS485, with shell, speaker
CDS19108C156_05WTC	15.6inch	1920*1080	IPS	CTP	250nit	12~36V	-10℃~60℃	DGUS software, TTL+RS232
CDS19108C215_05WTC	21.5inch	1920*1080	IPS	CTP	150nit	15~36V	0℃~50℃	DGUS software, TTL+RS232
CDS070_004L	7.0inch	800*480	TN	CTP	500nit	4.6~6.0V	-20℃~70℃	LVDS communication, DVI-I interface, with shell
CDS070_005L	7.0inch	800*480	TN	CTP	900nit	3.6~6.0V	-20℃~70℃	LVDS communication, DVI-I interface
CDS101_A5001L	10.1inch	1024*600	IPS	CTP	450nit	7~36V	-10℃~60℃	HDMI interface, with shell
CDS104_RTD	10.4inch	1024*768	IPS	CTP	300nit	9~30V	-20℃~70℃	HDMI interface, VGA interface, speaker
CDS215_002L	21.5inch	1920*1080	TN	CTP	300nit	220V(AC)	0℃~50℃	HDMI interface, VGA interface, speaker
CDS070_005LGW	7.0inch	800*480	TN	CTP	900nit	3.6~6.0V	-20℃~70℃	LVDS communication, DVI-I interface, LED light
CDS070_005LGWS	7.0inch	800*480	TN	CTP	900nit	3.6~6.0V	-20℃~70℃	LVDS communication, DVI-I interface, double row LED light
CDS070_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.
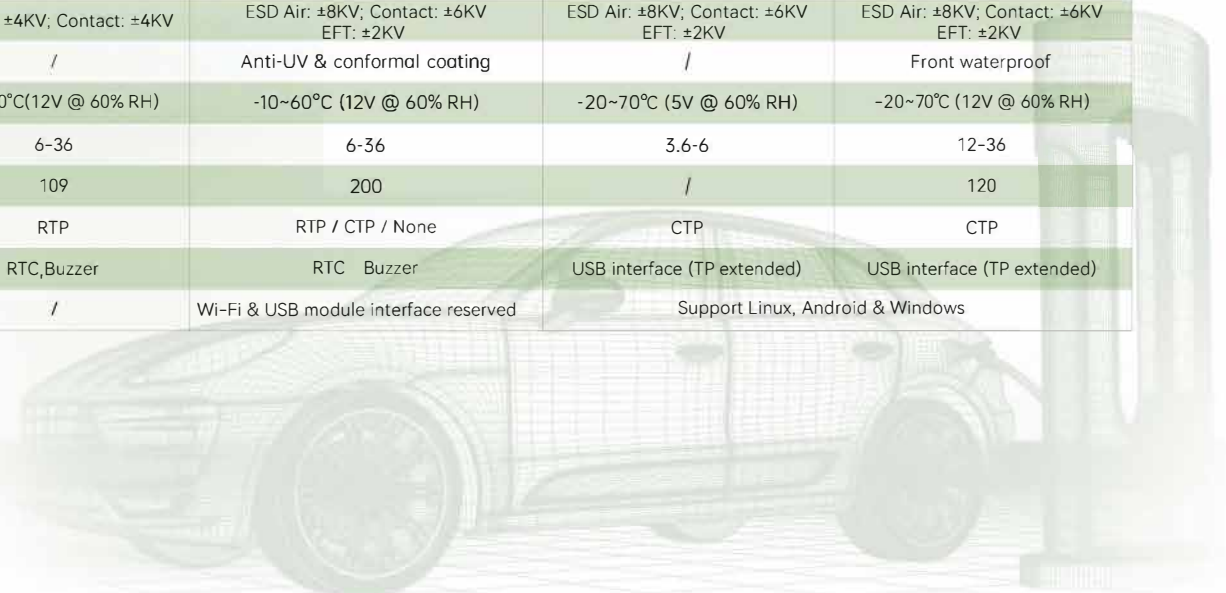
Application

Underground Parking

Factory

Home

Residential Compound

LCD Display for AC EV Charger

Specification

	Model	CDS48270C043_04W	CDS48270C043_15WTR	CDS80480T043_09W	CDS043_001L	CDS043_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(℃)	-10~60℃ 5V(@ 60% RH)	-20~70℃(12V @ 60% RH)	-10~60℃ (12V @ 60% RH)	-20~70℃ (5V @ 60% RH)	-20~70℃ (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.

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 detailedimages 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.
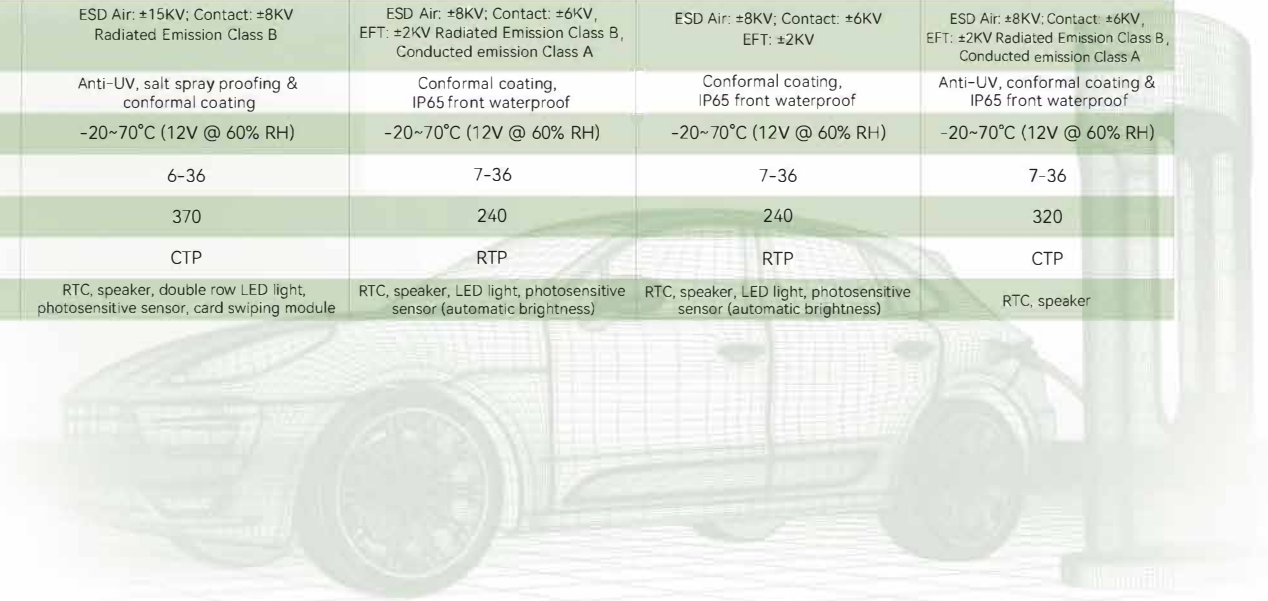
Charging Pile Solution
Pile number:

Total number of guns	20
Available guns	6
Number of alarms	1
Electricity charge (yuan/kWh)	2.5
Service fee (yuan/kWh)	0.5

System settings

Charge setting

DGUS II DWIN Technologies

Application

DC EV Charger Station

Public

Parking

BUS Parking

Specification

Model	cDS80480T070_09W	cDS80480T070_09WTCZ18	cDS80480T070_15WTR	cDS80480T070_15WTRZ89	cDS10600T070_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（℃）	−20~70℃ (12V @ 60% RH)	−20~70℃ (12V @ 60% RH)	−20~70℃ (12V @ 60% RH)	−20~70℃ (12V @ 60% RH)	−20~70℃ (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

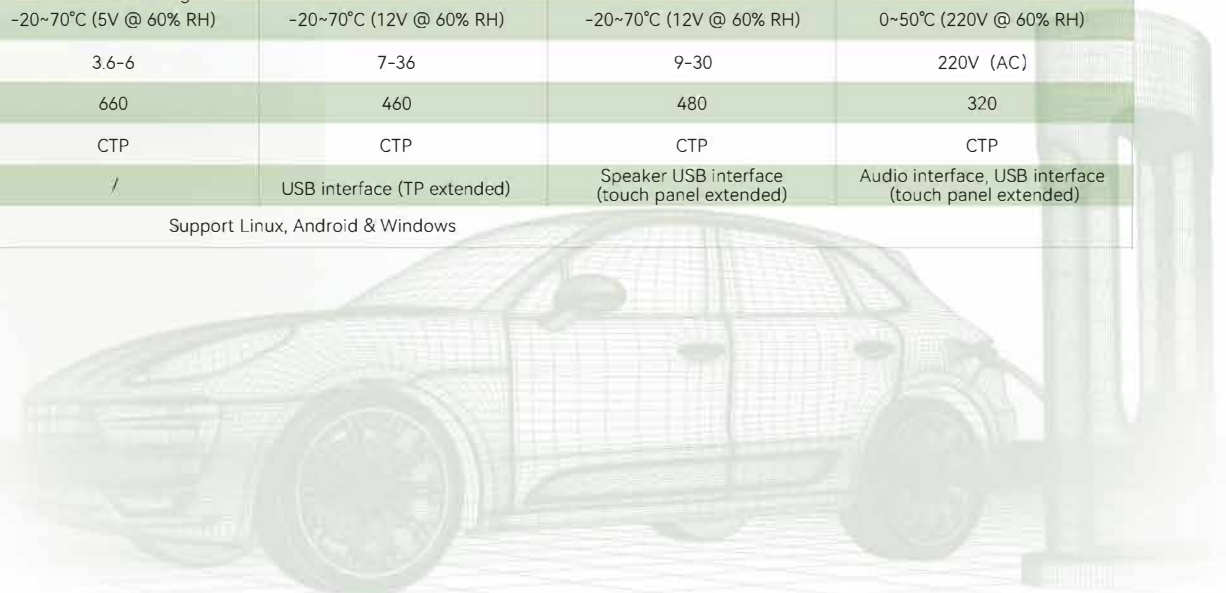|	Model	CDS10600T101_A5WTC	CDS19108C156_05WTC	CDS19108C215_05WTC
Display	Size (inch)	10.1	15.6	21.5
	LCD Type	IPS	IPS	IPS
	Colour	16.7M,24 bit	16.7M,24 bit	16.7M,24 bit
	Active Area(mm)	222.70 (W) ×125.30 (H)	343.2 (W)×192.6 (H)	476.1 (W)×267.9 (H)
	Resolution	1024*600	1920*1080	1920*1080
	Brightness(nit)	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 (℃)	-20~70℃ (12V @ 60% RH)	-10~60℃ (12V @ 60% RH)	0~50℃ (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

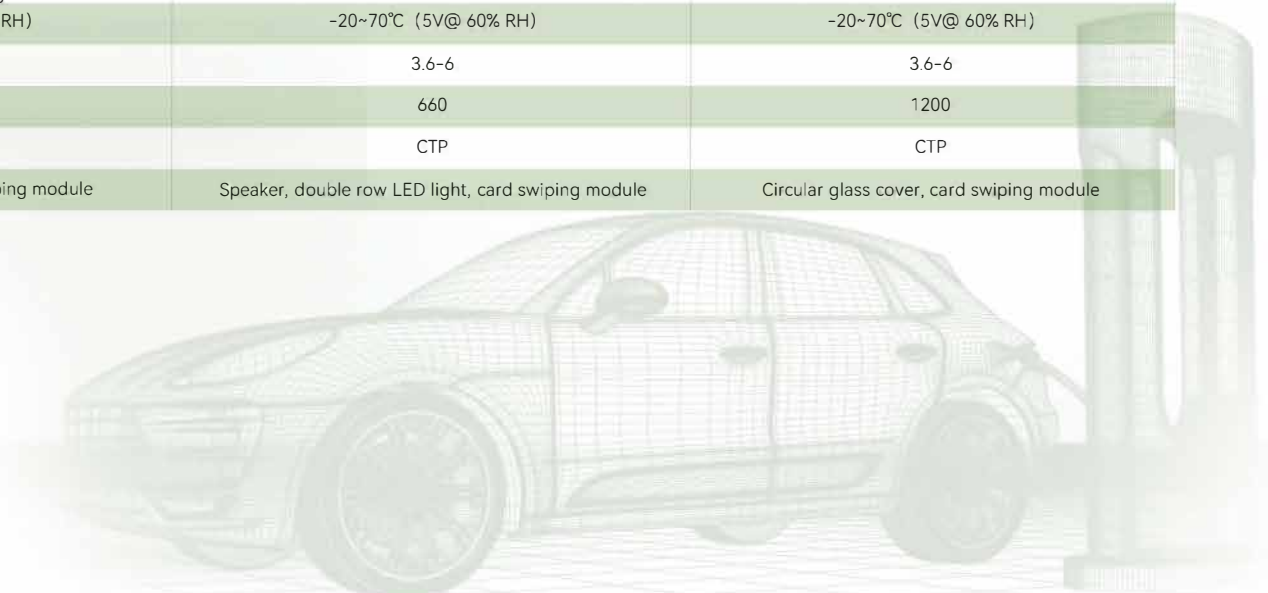|	Model	CDS070_004L	CDS070_005L	CDS101_A5001L	CDS104_001RTD	CDS215_002L
Display	Size(inch)	7.0	7.0	10.1	10.4	21.5
	LCD Type	TN	TN	IPS	IPS	IPS
	Colour	16.7M,24 bit	16.7M,24 bit	16.7M,24 bit	16.7M,24 bit	16.7M,24 bit
	Active Area(mm)	154.1 (W) ×85.9 (H)	154.08 (W)×85.92 (H)	222.70(W)x125.30(H)	211.2(W)x158.4(H)	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 I interface	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(℃)	-20~70℃ (5V @ 60% RH)	-20~70℃ (5V @ 60% RH)	-20~70℃ (12V @ 60% RH)	-20~70℃ (12V @ 60% RH)	0~50℃ (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				

Specification

	Model	CDS070_005LGW	CDS070_005LGWS	CDS070_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（℃）	-20~70℃（5V@ 60% RH）	-20~70℃（5V@ 60% RH）	-20~70℃（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

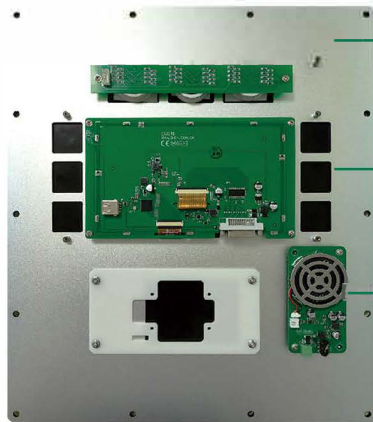Customisation based on CDS070_005L

Front

1. Customised tempered glass cover

2. Using CDS070_005L

3. High brightness 900nit, for outdoor using

Front

1. Customized circular glass cover

2. Using CDS070_005L

3. High brightness 900nit, for outdoor using

Back

4. Anodic oxidation metal structure

5. Full rust-proof

6. Support voice broadcast and music playing

Back

4. Anodic oxidation metal structure

Customisation Service

Support cover glass appearance customisation, UI design services, special craftsmanship, and other personalised customisation needs.

Special Shape Cover Glass Customisation

UI Customisation

Water proof

Anti-UV

Charging steps:
1. Open the EV's charging port cover.
2. Plug the charging connector to your EV's charging port.
3. Click the LCD screen to select connector, charging mode, payment and start charging.
4. The charging session is complete. Return the handset to the charger unit's holster.

Start charging

User guide

Charging completed

200.00 Real-time current (A)   380.00 Real-time voltage (V)

Time mode

Minute

Current rate(including service fee):1.2USD/kWh.
Free parking for one hour and 4 dollars per hour thereafter.

Reserve now   Cancel reservation

Auto fill   Energy mode   Amount mode   Time mode

Customisation Service

Special craftsmanship

Ultra-wide Working
Temperature (-40℃~85℃)

High Brightness
(1500nit: up to 1500nit)
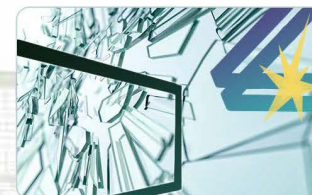

Anti-UV

Anti-glare
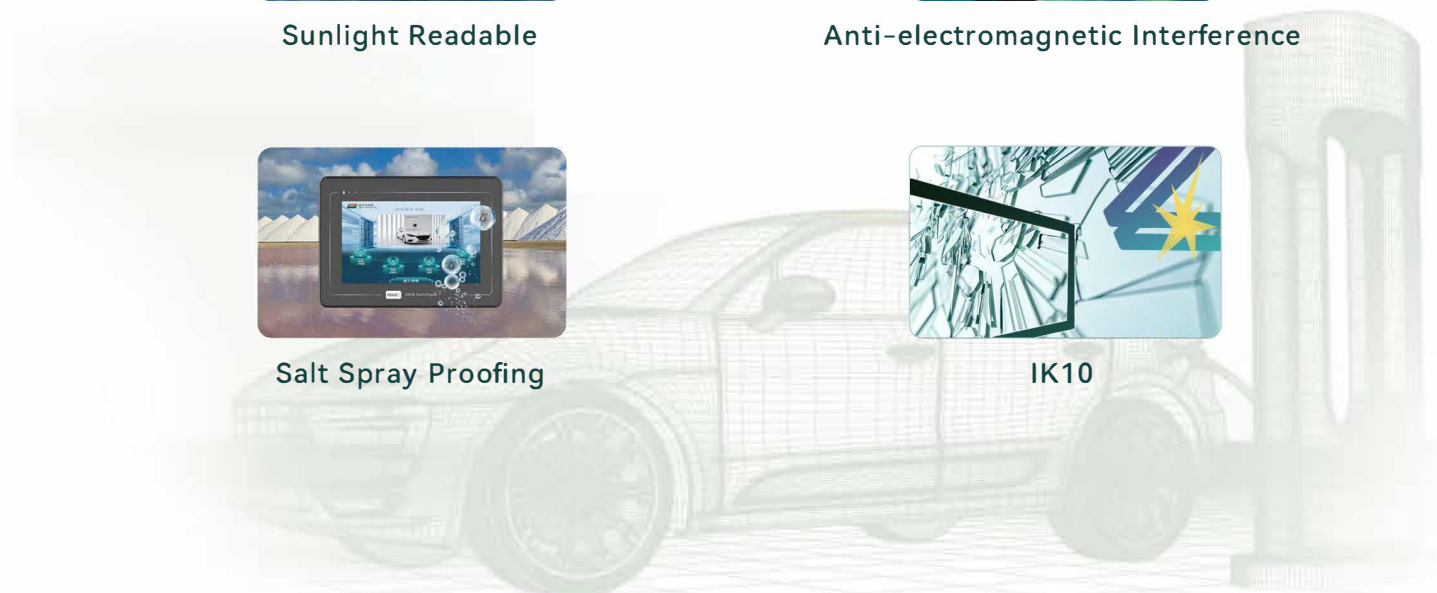

Sunlight Readable

Anti-electromagnetic Interference

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

Salt Spray Proofing

IK10

Need any additional information?
Just contact us and we will amaze you, thank you

Our team is always available to help you with pricing details, technical support, or any additional information you may need. Please don't hesitate to reach out.

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