



EV CHARGER

Shaping Sustainability



EU Standard EV Charging Wallbox
BENELUX Series



- 4G smart remote control
- High-power fast charging
- Multiple charging modes
- OCPP communication
- Extensible large screen
- Automatic overheating recognition during charging

Specifications	
Product model	D2E-B3P16A
Product power	3.6/11KW
Working current	16A
Working voltage	230V single-phase /400V three-phase
Installation mode	Integrated gun and pile design, with a wall mount bracket provided.
Working altitude	<2000m
Working frequency	50HZ/60HZ
Cable length	7m
Reservation function	2H/4H/6H/8H
Charging method	Plug-and-charge
Operating temperature	-30℃ ~50℃
Operating humidity	5%~95% RH
Display interface	Vertical light bar language
Communication method	Standalone version
Product certification	CE & TUV
IP rating	IP66
Protection function	Protection against overvoltage, undervoltage, overcurrent, leakage, overheating, and surge
Electric leakage protection	Type B 30mA AC & 6mA DC
Dual temperature control protection	Above 85℃, automatic power off after full charge
Operation mode	Touch buttons provided for device-side reservation
Installation mode	Integrated gun and pile design, with a wall mount bracket provided.
Accessories	Gun holder, carrying case, microfiber cloth for cleaning, and pouch for adapter

EU Standard EV Charging Wallbox



- 4G, Wifi, Bluetooth connectable
- OCPP1.6J
- 22KW high-power charging
- Can be connected to PV charging & storage system, and smart electric meter

Product Information	Power & current	22KW compatible with 11KW+7KW
	Voltage & frequency	220-240Vac±10% (operable at 120V)
		50 / 60 Hz
	Charging standard	IEC 62955; IEC61851-1Ed3; IEC 60068-2-11:2021 (without power for 96h at storage state);
	Protection function	Basic protections: overcurrent, overvoltage, undervoltage, overtemperature, leakage, grounding, lightning, short-circuit protections
	Protection standard	AC30mA+DC6mA
User Interaction	Communication protocols	OCPP1.6J+
	Connection mode	WIFI Bluetooth 4G Ethernet
	Power feed method/ unlocking method	Plug-and-charge, APP+RFID
	Interaction	APP+ light language/screen (with screen + without screen)
Product features	RFID function	Supported
	APP function	Supports APP
		Remote start - stop (OTA upgrade)
		Charging completion reminder and notification for failed gun insertion in reservation mode
		Calculate the amount of electricity for each charge
		Monthly charging data and comparisons (bar chart)
	Extended function	PV charging and storage + smart electric meter can be integrated in the future
Product characteristics	IP rating	IP66
	Operating altitude, temperature, and humidity	Altitude <2000m; temperature -30° C~+50° C; humidity 5 %~95%
	Storage temperature	-40°C ~ +60°C
	Installation mode	Wall mount/pole mount (target: installer can complete the installation within 20 minutes after training, installation video available)
	Cable length	5m
Product certification	Certifications	CB, TUV-CE, RoHS, REACH, IP, IK10



- 4G, Wifi, Bluetooth connectable
- OCPP1.6J
- Extendible up to 80A charging
- Optional NACS gun cable
- Can be connected to PV charging & storage system, and smart electric meter

Product Information	Power & current	22KW compatible with 11KW+7KW
	Voltage & frequency	220-240Vac±10% (operable at 120V)
		50 / 60 Hz
	Charging standard	IEC 62955; IEC61851-1Ed3; IEC 60068-2-11:2021 (without power for 96h at storage state);
	Protection function	Basic protections: overcurrent, overvoltage, undervoltage, overtemperature, leakage,grounding, lightning, short-circuit protections
	Protection standard	AC30mA+DC6mA
User Interaction	Communication protocols	OCPP1.6J+
	Connection mode	WIFI Bluetooth 4G Ethernet
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Product certification	Certifications	CB, TUV-CE, RoHS, REACH, IP, IK10

CE 7 / 22kW

AC Charger(residential)



Application Scenario

Residence community, hotel, commercial office building. Home use or longtime charging scenario for Type2 vehicles.

Highlight

- Innovativeness
- Minimal size, streamline design.
- Flexible option
- Customized APP operation/RFID authentication/plug & play.
- Color for option.
- Wall/floor mounting installation.
- Intelligent control
- Wireless communication(WiFi/Bluetooth). Smart charge & schedule charge by App.
- Secure and safe
- 6mA DC residual current protection. Anti-welding protection.

Model	TCDZ 1P/32A EU-R-H	TCDZ 3P/32A EU-R-H
Powersupply	1P+N+PE	3P+N+PE
Ratedvoltage	230Vac ± 10%	400Vac ± 10%
Rated current	32A	32A
Frequency	50/60Hz	50/60Hz
Outputvoltage	230Vac	400Vac
Rated power	7kW	22kW
Maxcurrent	32A	32A
Chargeconnector	Type2 Case C	
Cablelength	5m	
LEDindicator	White/Green/Blue/Red	
Startmode	RFID/App	
Emergencystop	Yes	
Wifi	Yes	
Bluetooth	Yes	
4G	No	
OCPP	No	
Energymeter	No	
RCD	30mA AC & 6mA DC	
Protection level	IP65 & IK08	
Electrical protection	Over-current, Over-temperature, Over-voltage, Under-voltage, Groundfault, Leakage protection, Contactor protection, Integrated surge protection, adhesionfault	
Certification	CE	
Technicalstandard	IEC/EN61851-1, IEC/EN61851-21-2, IEC/EN62955, IEC/EN61008, BS EN IEC61851-1.	
Work humidity	5% RH ~ 95% RH	
Workaltitude	≤2000m	
Work temperature	-30 ° C to +50 ° C	
Installation	Wall-mounting, Pedestal-mounting	
Product dimension	W 247mm * H 326mm * D 97mm	
Netweight	4.9kg	6.2kg
Externalpackage	Carton	
Packagedimension	W 485mm * H 360mm * D 265mm	
Grossweight	5.9kg	7.2kg

CE 7 / 22kW
AC Charger (commercial)



Application Scenario

Residence community, hotel, real estate,
office building. Commercial operation scenario for
Type2 vehicles.

Highlight

- Innovativeness
 - Avant-garde shape, exquisite appearance.
- Flexible option
 - Color for option.
 - Wall/floor mounting installation.
- Intelligent control
 - Wireless communication(WiFi/4G/Blue-tooth).
 - OCPP protocol with BMS.
- Secure and safe
 - 30 mA AC & 6mA DC residual current protection.
 - Anti-welding protection.

Model	TCDZ 1P/32A EU-RG-C	TCDZ 3P/32A EU-RG-C
Powersupply	1P+N+PE	3P+N+PE
Ratedvoltage	230Vac ± 10%	400Vac ± 10%
Ratedcurrent	32A	32A
Frequency	50/60Hz	50/60Hz
Outputvoltage	230Vac	400Vac
Rated power	7 kW	22 kW
Maxcurrent	32A	32A
Chargeconnector	Type2 Case C	
Cable length	5 m	
LEDindicator	White/Green/Blue/Red	
Start mode	RFID/App	
Emergencystop	Yes	
Wifi	Yes	
Bluetooth	Yes	
4 G	Yes	
O C P P	OCPP 1.6J	
Energymeter	No	
R C D	30 mA AC & 6 mA DC	
Protectionlevel	IP65 & IK08	
Electrical protection	Over-current, Over-temperature, Over-voltage, Under-voltage, Groundfault, Leakageprotection, Contactoradhesionfault protection, Integratedsurgeprotection	
Certification	C E	
Technicalstandard	IEC/EN61851-1, IEC/EN61851-21-2, IEC/EN62955, IEC/EN61008, BS EN IEC61851-1.	
Work humidity	5% RH ~ 95% RH	
Workaltitude	≤ 2000m	
Work temperature	-30 ° C to +50 ° C	
Installation	Wall-mounting, Pedestal-mounting	
Product dimension	W 247 mm * H 326 mm * D 97 mm	
Netweight	4.9kg	6.2kg
External package	Carton	
Packagedimension	W 485 mm * H 360 mm * D 265 mm	
Grossweight	5.9kg	7.2kg



Application Scenario


Residence community, hotel, real estate,
office building. Commercial operation scenar– iofor
Type2 vehicles.

Highlight

- Innovativeness
 - Avant–garde shape, exquisite appearance.
- Flexible option
 - Type 2 Case C/ Case B socket for option.
 - Wall/floor mounting installation.
- Intelligent control
 - Wireless communication(WiFi).
 - OCPP protocol with BMS.
 - MID meter for operation.
- Secure and safe
 - 6mA DC residual current protection.
 - Anti–welding protection.

Model	TCDZ–AC230/070KE3C	TCDZ–AC400/220KE3C
Powersupply	1P+N+PE	3P+N+PE
Ratedvoltage	230Vac ± 15%	400Vac ± 15%
Rated current	32A	32A
Frequency	50/60Hz	
Outputvoltage	230Vac	400Vac
Rated power	7kW	22kW
Maxcurrent	32A	32A
Chargeconnector	Type2CaseC	
Cablelength	5m	
LEDindicator	Green/Blue/Red	
Startmode	RFID/App	
Emergencystop	No	
Wifi	Yes	
4G	No	
OCPP	OCPP 1.6J	
Energy meter	Midcertified	
RCD	6mA DC	
Protection level	IP54/IK10	
Electrical protection	Overcurrentprotection, Overvoltageprotection, Undervoltage protection, Relayovertemperatureprotection, CPfaultprotection, Relayprotection, PE faultprotection, etc.	
Certification	CB	
Technicalstandard	IEC61851–1, IEC61851–21	
Work humidity	5%RH~95%RH (No condensation)	
Workaltitude	≤2000m	
Worktemperature	–25~50℃	
Installation	Wall–mounting, Floor–mounting	
Productdimension	W360*D150*H650 mm	
Netweight	7.8kg	10kg
External package	Carton	
Package dimension	W440*D300*H750 mm	
Grossweight	11.2kg	12.6kg
Pedestal height	1462mm	
Pedestalnetweight	17kg	
Pedestal packagedimension	W335*D255*H1520 mm	
Pedestalgrossweight	18.6kg	

OCEAN SUPPLY CHAIN GROUP

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