

## AC EV Charger

### ORA022-CWB / ORA022-SWB

- **Solid design wallbox**  
Meet IP65 & IK10 standard by lab test for excellent water protection.
- **Indicator light**  
Showing real time charging status
- **Smart mini**  
Advice smart components highly integrated in a 228.5x228.5x100 mm Size mini body
- **TUV certified**  
All parts passed CE Certificates. and tested by TUV.
- **Smart charging**  
The smartphone App can realize the remote control and organize. Integration with OCPP 1.6 JSON

#### Real Smart

- Control your smart wallbox by Bluetooth,WIFI
- Developed based on OCPP 1.6 JSON
- Automatic identification
- Max charging Current adjustable
- Remote reach out of every charging process
- Charging records in Cloud
- Scheduled charging to save on your electricity bill
- OTA for new features

#### Highest safety

- PCV O housing with 2.0~3.0 mm thick exudes robustness and protects inside components from external influences.
- The housing is made from materials specially developed for top heat dissipation and with flame retardant coating.
- Completely meets all requirements of the CE applicable standards.
- AC+ DC faults detection
- Real-time monitoring for heat and all instabilities during charging process



## Specifications

Model	ORA022-CWB-79	ORA022-SWB-79
<b>Electrical Properties</b>		
Voltage	380V AC $\pm$ 10%	
Output Current	32A	
Frequency	50/60Hz	
Output Power	22kw	
Residual current protection	TYPE A(30mA AC)	
<b>Design</b>		
Charging Outlet	7M charging cable with type1/2 plug	type2 socket
Housing Material	PCV0 for outdoor	
Installation Method	Wall-mount/Floor-stand	
Communication Protocol	OCPP 1.6 J-SON	
Safety Standard	EN IEC 61857-21-2:2021; EN IEC 61000-6-1 :2019; EN IEC 61000-6-2:2019; EN IEC 67 000-6-3:2027; EN IEC 67 857-1:2079; EN IEC 67 000-6-4:207 9; ETSI EN 300 328 V2.2.2:201 9; ETSI EN 300 330 V2.1 .1 :2017; ETSI EN 307 489-7 V2.2.3:2079; ETSI EN 307 489-3 V2.1.1:2079; ETSI EN 301 489-17 V3.2.4:2020; EN IEC 62311 :2020, IEC 61857-7 :2017	
Warranty	2 years	
<b>Environmental Performance</b>		
Protection Level	IP65	
Working Altitude	<2000M	
Application Site	Indoor/Outdoor	
Working temperature	-30-c +50-c	
Working humidity	5%-95%, No condensation	
Atmospheric pressure	80kPa-10kPa	
<b>Functionality</b>		
Connectivity	Bluetooth and WIFI as default	
Mobile APP (Ios and Android supported) functions under Bluetooth	Scheduled charging , Start charging, Stop charging, Current adjustment (memorable), plug and play charging switch on APP, Charging status shown on APP	
<b>Packing Details</b>		
Product Size	228.5*228.5*100mm	
Product Weight	5.4KG	
<b>Wi-Fi</b>		
Module	Espressif ESP32	
Operating Frequency Range	2400-2483.5MHz	
Operating Frequency /Channels / Protocol	2.4GHz Wi-Fi:2412-2472MHz, 13CHs, 802.11b/g/n20, 2422-2462MHz, 9CHs, 802.11n40	
Channel Spacing	20MHz, 40MHz	
Modulation	DSSS (DBPSK, DQPSK, CCK),OFDM (BPSK, QPSK, 16QAM, 64QAM)	
Antenna Number	1	
Antenna Type	PIFA antenna	
Antenna Gain	3.4dBi.	
EIRP TX power	19.92dBm	
Transmitting Duty Cycle (%)	Nearly 100%	
FCC ID	2AC7Z-ESP32WROVERE	
CE certificate	EN 300-328	
<b>RFID</b>		
Module	Mingte Mifare	
Operating Frequency	13.56 MHz	
Modulation	ASK	
Channel Number	1 channel	
Antenna Type	loop antenna	
H-Field transmit power	-34.65 dB $\mu$ A/m @10m	
CE certificate	EN 300-330	