

# SECOND GENERATION EV CHARGER

The AC EV charger is a new product launched by Fox ESS . Its appearance of this product adopts a streamlined and simple design, which is more refined and glitzy. Through the App, car owners can choose the Bluetooth smart lock, timing charging function, or change it to plug and play mode. At the same time, it can monitor charging information, set EV charger parameters, bind equipment and authorization, and upgrade remote software.



### Innovativeness Design

Streamline design



### Intelligent Control

Wireless communication (WiFi/Bluetooth)  
 OCPP communication protocol with the backend  
 Smart charge or scheduled charge by App



### Energy Saving

Standby power consumption is less than 2W, excellent energy-saving efficiency



### Flexible Option

Type 1 or Type 2 charging cable  
 App operation or plug and play  
 Wall-mounted or floor-stand installation



### Secure and Safe

6mA DC residual current protection  
 Anti-welding protection  
 IP55 rated

- Power: 22kW
- Output Current: Max.32A
- Output Voltage: 400V AC
- Type 2 cable charging connector
- Compliant with OCPP 1.6 (JSON)/2.0
- App operation or RFID authentication or plug, play & 4G
- Protection Grade: IP55
- -30 ~ 50°C wide Operating Temperature
- Warranty time: 3 years



For more about the Fox ESS EV charger  
 Please visit:  
[www.solarv.de](http://www.solarv.de)

# SECOND GENERATION 22KW EV CHARGER

## TECHNICAL SPECIFICATIONS



MODEL	A022KP1-E-2	A022KS1-E-2
TYPE	CHARGING PLUG	CHARGING SOCKET
<b>INPUT</b>		
Wiring Scheme	3P+N+PE	
Voltage	400Vac, ±20%	
Maximum Current	32A	
Frequency	50/60Hz	
<b>OUTPUT</b>		
Voltage	400Vac, ±20%	
Maximum Current	32A	
Rated Power	22kW	
<b>USER INTERFACE &amp; CONTROL</b>		
Connector Type	Type 2 cable	Type 2 socket
RFID Reader	Mifare ISO/IEC 14443 A	
Start Mode	Plug&Play/RFID card/App	
<b>COMMUNICATION</b>		
WiFi, Bluetooth	Yes	
4G	Optional	
OCPP	OCPP 1.6 JSON, OCPP 2.0 optional	
<b>ENVIRONMENT</b>		
Installation	Wall-mount / Post-mount	
Operating Temperature	-30°C ~ 50°C	
Operating Humidity	5% ~ 95% No condensation	
Operating Altitude	≤2000m	
<b>DIMENSION AND WEIGHT</b>		
Product Dimension	320*190*130 mm	320*190*144.5 mm
Product Weight	3.55kg	2.0kg
<b>SAFETY</b>		
IP protection rating	IP55	
IK protection rating	IK08	
Residual Current Detection	AC 30mA/DC 6mA	
Electrical Protection	Over current protection, Residual current protection, Ground protection, Surge protection, Over/Under voltage protection, Over/Under frequency protection, Over/Under temperature protection	
EMC	Class B	
Certification	CE	
Certification Standard	EN/IEC 61851-1: 2019, EN/IEC 61851-21-2: 2021	