



EVC16 AC Wallbox Home

7-22kW

Fast & Efficient Charging

- Max. current up to 32A, creating 22kW of power for increased charging speed
- 9X faster than a traditional AC home charger
- Current adjustable from 6-32A via APP

Smart Charging

- Track, manage, and optimize your charging via INVT Charging APP
- In real-time dynamically balance energy to reducing electricity costs
- Remote diagnosis & real-time notification

High Reliability

- CE compliance
- IP54 for outdoor installations
- Capable of charging at full power at a temperature range between -25°C ~ +55°C

Technical Specification

Product Information	EVC16-AW7KGPIUE (UC)	EVC16-AW11KGPIUE (UC)	EVC16-AW22KGPIUE (UC)
Input / Output Voltage	230Vac±15% (L,N,PE), 50/60 Hz	400Vac±15% (L1,L2,L3,N,PE), 50/60 Hz	400Vac±15% (L1,L2,L3,N,PE), 50/60 Hz
Input/Output Power	7kW	11kW	22kW
Max Output Current	32A	16A	32A
Charging Mode	Mode 3		
Earthing Systems	TT/TN		
Connection Type	Type 2 Cable		
Cable Length	4m		
Over Voltage Category	III		
Protection	Overcurrent, Overvoltage, Undervoltage, Ground fault detection		

User Interface

User Authentication	INVT RFID Card (2 included) or INVT EV Charger App
User Interface	INVT EV Charger App
Communication Protocol	OCPP1.6J (Customization)
Connectivity	WiFi
Status Indication	3 LEDs (Power, Charging, Error)

Certification

Safety and Compliance	EN IEC 61851-1, EN IEC 62311, ETSI EN 300 328
Certification	CE
EMC	ETSI EN 301 489-1 V2.2.3: 2019 / ETSI EN 301 489-17 V3.2.4: 2020 EN 61000-3-12:2011 / ENIEC 61000-3-11: 2019
Warranty	36 months, warranty can be discussed

General Characteristics

IP and IK Rating	IP54 / IK10		
Operating Altitude	2000m		
RCD	Type A , AC 30mA + DC 6mA		
Mounting	Wall or Floor using pedestal		
Emergency Stop Button	Yes		
Dynamic Load Balancing	Yes		
Operating Temperature Range	-25°C~+55°C		
Storage Temperature Range	-40°C~+75°C		
Relative Humidity	≤95% non-condensation		
Dimension (W*H*D)	230*375*115mm		
Enclosure Type	Plastic		
Weight	3.5 Kg	4 Kg	5 Kg
Circuit Breaker	40A (Single-phase)	25A (Three-phase)	40A (Three-phase)
Cooling Mode	Natural cooling	Natural cooling	Internal fan cooling