

V2G AC CHARGER

7KW

WALL MOUNTED OR STAND PEDESTAL

PRODUCT DATASHEET / MAY 2026



 Reliable

Product
Reliability

99%

 Cloud Enabled

Monitoring
& Assistance

24/7

 Built To Last

Service
Life

10Yr

KEY FEATURES

- Single tethered connector charging 7kW
- Supports dynamic load balancing and static load management
- Seamless integration with OCPP 1.6J / 2.0 / 2.0.1 protocol
- Single-phase connection
- App and RFID operated charging
- 3-year warranty with an optional 2-year extension



V2G AC CHARGER

⌘ 7kW

PRODUCT CODE

TP-EVVA-220-1C-V2G

⌘ ELECTRICAL INPUT

Supply System	1P+N+PE, TN/TT
Supply Voltage	230 V AC (±10%)
Supply Frequency	50/60 ±1 Hz
Rated Input Current	36 A
Power Factor	≥0.98 at 50 – 100% output power
THD	<5% at 50 – 100% full load
Charging Efficiency	≥94% at nominal output power

⌘ ELECTRICAL OUTPUT

Output Voltage Range	230 V AC (±10%)
Maximum Current	36 A
Maximum Power	7 kW
Connector Type	Type 2
Number of Connectors / Outputs	1
Cable Length	5 m, others optional

⌘ BIDIRECTIONAL OPERATION

AC Output Voltage	230 V AC (±10%)
AC Output Current	36 A
Rated Discharge Efficiency	≥94% at nominal output power

⌘ CONNECTIVITY AND COMMUNICATION

Network Connectivity	Ethernet (RJ45) / Wi-Fi / 4G
Backend Protocol	OCPP 1.6J / 2.0 / 2.0.1

⌘ USER INTERFACE AND ACCESS CONTROL

Display / HMI	5" LCD Touch Screen
LED Status Indication	LED status indication
RFID	RFID: ISO/IEC 14443 A/B; MIFARE, 13.56 MHz
Authentication And Payment	App, QR Code, MAC Authentication, Card payment (optional)
Metering	MID meter, Class 1, CE-marked

⌘ ENVIRONMENTAL CONDITIONS

Operating Temperature	-25°C to 55°C
Storage Temperature	-30°C to 70°C
Altitude	≤2000 m
Humidity	5% to 95% non-condensing
Ingress And Impact Protection	IP54, IK10 (screen excluded)
Noise	<70 dB

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⌄ SAFETY AND PROTECTION

Integrated Protections	Emergency stop button / RCBO, 1P+N, curve C, 63 A, 30 mA, type A / RDC-DD, 6 mA DC leakage detection / Overvoltage and undervoltage protection / Overcurrent protection / Output PE continuous continuity checking / Surge protection, 4kV / Contactor welding monitoring / Upstream protective conductor monitoring (Optional) / Temperature monitoring 2 pcs (Optional) / Anti-islanding protection
Physical Security And Access	Key-lock access door
Special Environmental Protection	Galvanised steel, powder-coated, salt-spray resistant

⌄ MECHANICAL DATA

Dimensions	430 x 300 x 192 mm
Weight	9.7 kg
Mounting	Wall Mounted / Stand pedestal
Cable Management	Cable support
Cooling System	Forced-air cooling

⌄ COMPLIANCE AND STANDARDS

Charging Protocol Support	ISO 15118; DIN 70121
Discharging Protocol Support	ISO 15118-20
Regulatory Compliance	IEC/EN 61851-1:2017; IEC 61851-21-2:2018; IEC 62196-1:2014; IEC 62196-2:2016; IEC 62955-2018; IEC 61439-7-2018
Certification	CE Marked (LVD, EMC, RoHS)

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