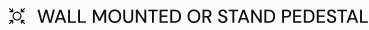


# V2G AC CHARGER


# 7KW




 **Reliable**

Product Reliability

# 99%

 **Cloud Enabled**

Monitoring &amp; 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
- ↳ Integrated PME fault detection
- ↳ Single-phase connection
- ↳ App and RFID operated charging
- ↳ 3-year warranty with an optional 2-year extension
- ↳ Fully compliant with Smart Charge Points regulations for electric vehicles
- ↳ Approved for OZEV grant eligibility



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

Cont'd on page 2

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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)

End of Table