

# AC SMART CHARGER

# 7KW — 22KW

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 22kW
- 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



AC SMART CHARGER

⌂ 7kW

⌂ 11kW

⌂ 22kW

| PRODUCT CODE                        | TP-EVVA-220-1C                                                                                                                                                                                                                                                                                                                                               | TP-EVVA-380-1E                           | TP-EVVA-380-1F                           |
|-------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|------------------------------------------|
| ⌄ ELECTRICAL INPUT                  |                                                                                                                                                                                                                                                                                                                                                              |                                          |                                          |
| Supply System                       | 1P+N+PE, TN/TT                                                                                                                                                                                                                                                                                                                                               | 3P+N+PE, TN/TT                           | 3P+N+PE, TN/TT                           |
| Supply Voltage                      | 230 V AC (±10%)                                                                                                                                                                                                                                                                                                                                              | 400 V AC (±15%)                          | 400 V AC (±15%)                          |
| Supply Frequency                    | 50/60 ±1 Hz                                                                                                                                                                                                                                                                                                                                                  |                                          |                                          |
| Rated Input Current                 | 32 A                                                                                                                                                                                                                                                                                                                                                         | 16 A                                     | 32 A                                     |
| ⌄ ELECTRICAL OUTPUT                 |                                                                                                                                                                                                                                                                                                                                                              |                                          |                                          |
| Output Voltage Range                | 230 V AC (±10%)                                                                                                                                                                                                                                                                                                                                              | 400 V AC (±15%)                          | 400 V AC (±15%)                          |
| Maximum Current                     | 32 A                                                                                                                                                                                                                                                                                                                                                         | 16 A                                     | 32 A                                     |
| Maximum Power                       | 7 kW                                                                                                                                                                                                                                                                                                                                                         | 11 kW                                    | 22 kW                                    |
| Sutter Type                         | Type 2                                                                                                                                                                                                                                                                                                                                                       |                                          |                                          |
| Number of Connectors / Outputs      | 1                                                                                                                                                                                                                                                                                                                                                            |                                          |                                          |
| Cable Length                        | 5 m, others optional                                                                                                                                                                                                                                                                                                                                         |                                          |                                          |
| ⌄ CONNECTIVITY AND COMMUNICATION    |                                                                                                                                                                                                                                                                                                                                                              |                                          |                                          |
| Network Connectivity                | Ethernet (RJ45) / Wi-Fi / 4G / BLE V5.0                                                                                                                                                                                                                                                                                                                      |                                          |                                          |
| Backend Protocol                    | OCPP 1.6J / 2.0 / 2.0.1                                                                                                                                                                                                                                                                                                                                      |                                          |                                          |
| Local Load Management               | Local Load balance (Optional)                                                                                                                                                                                                                                                                                                                                |                                          |                                          |
| ⌄ USER INTERFACE AND ACCESS CONTROL |                                                                                                                                                                                                                                                                                                                                                              |                                          |                                          |
| Display / HMI                       | 5" LCD Screen                                                                                                                                                                                                                                                                                                                                                |                                          |                                          |
| RFID                                | RFID: ISO/IEC 14443 A/B; MIFARE, 13.56 MHz                                                                                                                                                                                                                                                                                                                   |                                          |                                          |
| Authentication And Payment          | App, QR Code, MAC Authentication                                                                                                                                                                                                                                                                                                                             |                                          |                                          |
| Metering                            | MID meter, Class 1, CE-marked                                                                                                                                                                                                                                                                                                                                |                                          |                                          |
| ⌄ ENVIRONMENTAL CONDITIONS          |                                                                                                                                                                                                                                                                                                                                                              |                                          |                                          |
| Operating Temperature               | -25°C to 50°C                                                                                                                                                                                                                                                                                                                                                |                                          |                                          |
| Storage Temperature                 | -30°C to 70°C                                                                                                                                                                                                                                                                                                                                                |                                          |                                          |
| Altitude                            | ≤2000 m                                                                                                                                                                                                                                                                                                                                                      |                                          |                                          |
| Humidity                            | 5% to 95% non-condensing                                                                                                                                                                                                                                                                                                                                     |                                          |                                          |
| Ingress And Impact Protection       | IP55, IK10                                                                                                                                                                                                                                                                                                                                                   |                                          |                                          |
| ⌄ SAFETY AND PROTECTION             |                                                                                                                                                                                                                                                                                                                                                              |                                          |                                          |
| Integrated Protections              | RCD Type B (with external RCBO Type A) / Overvoltage and undervoltage protection / Overcurrent protection / Upstream protective conductor monitoring (optional) / Output PE continuous continuity checking / Surge protection: 4kV / Output short circuit protection (External RCBO) / Contactor welding monitoring / Temperature monitoring 2pcs (optional) |                                          |                                          |
| External Protections Required       | RCBO, 1P+N, curve C, 40 A, 30 mA, type A                                                                                                                                                                                                                                                                                                                     | RCBO, 3P+N, curve C, 20 A, 30 mA, type A | RCBO, 3P+N, curve C, 40 A, 30 mA, type A |
| Physical Security And Access        | Rear fixing screws not accessible after installation                                                                                                                                                                                                                                                                                                         |                                          |                                          |
| Special Environmental Protection    | UV-stabilised modified polyester                                                                                                                                                                                                                                                                                                                             |                                          |                                          |
| ⌄ MECHANICAL DATA                   |                                                                                                                                                                                                                                                                                                                                                              |                                          |                                          |
| Dimensions                          | 430 mm x 300 mm x 192 mm                                                                                                                                                                                                                                                                                                                                     |                                          |                                          |
| Weight                              | 9.7 kg                                                                                                                                                                                                                                                                                                                                                       | 10.5 kg                                  | 11.5 kg                                  |
| Mounting                            | Wall mounted / Stand pedestal                                                                                                                                                                                                                                                                                                                                |                                          |                                          |

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⌵ 22kW

|                            |                                                                                                                  |                |                |
|----------------------------|------------------------------------------------------------------------------------------------------------------|----------------|----------------|
| PRODUCT CODE               | TP-EVVA-220-1C                                                                                                   | TP-EVVA-380-1E | TP-EVVA-380-1F |
| ☰ COMPLIANCE AND STANDARDS |                                                                                                                  |                |                |
| Regulatory Compliance      | IEC/EN 61851-1:2017; IEC 61851-21-2:201 8; IEC 62196-1:2014; IEC 62196-2:2016; IEC 62955-2018; IEC 61439-7-201 8 |                |                |
| Certification              | CE Marked (LVD, EMC, RoHS)                                                                                       |                |                |

End of Table