EV CHARGERS

# DATA SHEET

Company name:
**EGO EV Chargers Ltd.**

Model:
**EGO EV 7.2 kW single phase charger**

## ELECTRICAL FEATURES

- Supply voltage: 220 to 240VAC at 50Hz
- Charger output: 220 to 240VAC at 50Hz
- Power rating: 7.2kW (Single Phase)
- Socket: Type 2 socket (IEC 62196-2)
- Charging device: Mode 3 (IEC 61851-1 / SAE J1772 compliant communication protocol)
- Charging current with load balancing: 6A to 32A (using 2-wire CT current clamp)
- Max Charging Current : 32A
- Installation circuit breaker: Max 40A overload protection.
- Single Phase Supply : 10mm cable
- Integral RCD Earth Leakage protection: 6mA according to EN 61008-1 and IEC 62955
  - Fixed 6mA DC trip level
  - For Mode 3 applications
  - Single switching output
- Socket type: IEC 62196 Type 2.
- IP Rating: IP54 hinged lid, non-locking
- Status Indication: 5 led indicator (green, blue, white, orange, pink)
- Integral Wi-Fi: 2.4GHZ
- Ethernet cable: Integral CAT5 and above
- Remote management and control: OCPP V1.6 compliant

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## MECHANICAL FEATURES & ENVIRONMENTAL FEATURES

- Wall Mounted: indoor or outdoor (permanent mounting)
- Operating temperature range (ambient): -10O C to +50O C
- Operating Humidity: 5 to 95% (non-condensing)
- Enclosure ABS: (UL94 HB Fire Rated)
- Protection: IP54
- Fire class: UL94
- Insulation class: II
- Overvoltage category III

## COMPLIANCE

- CE Marked, EMC Directive 2014/30/EU, IEC 61851-1, IEC 62196-2,EN55032, 61000-3, 61000
- The product must be permanently connected to a single-phase supply which can deliver 7.36kW at 32A at 220 to 240 VAC at 50Hz
- The product shall be installed according to local regulations for low voltage electrical installations. The product is designed and tested according to the EN 61851 standards for electric vehicle conductive charging system
- This product has integrated overload protection according to EN IEC 61851-1:2019

## OPTIONS

- RFID card reader
- Tethered Type 1/Type 2 cable (5m)
- ISO15118 for vehicle-to-grid (V2G) and plug & charge functionality
- Solar charging (using an additional CT clamp)
- Co-branding available, subject to MOQs