

# Andersen Quartz Technical Data

Mounting Location <sup>1</sup>	The mounting wall must be capable of supporting at least four times the weight of the unit (3.4kg) and must be fire resistant.
Charging Mode	Mode 3 (IEC 61851-1 complaint communication protocol)
Display	RGB Status Lights - Socket Amenity light, White (Socketed version only).
Charging Current	Single Phase version, 6A to 32A Three Phase version, 6A to 32A per phase
Variable Current	6A - 32A CT Monitored (Adaptive Fuse)
Connector Type	Type 2 Socket IEC 62196-2 compliant OR Type tethered cable IEC 62196-2 compliant
Compliance	RED 2014/53/EU, LVD 2014/35/EU, EMC 2014/30/EU, EN 61851-1:2019, EN 62196, EN 62955:2018, ROHS 2011/65/EU, WEEE 2012/19/EU, CE and UKCA Certified
Ingress Protection	Enclosure, core IP65
Operating Specification	Humidity to 95% RH non condensing -25 Celsius to +40 Celsius
Security	Remote software enabled charge point locking, 128-bit data SSL AES encryption for smart connectivity, Bluetooth with TLS encryption
Fault Monitoring	Realtime health monitor system, start-up self-test, Earth monitoring, Welded contactor monitor, PME monitoring
Enclosure Core Material	Polycarbonate Blend
Finish Material	Coated Aluminium, optional Accoya insert
Shipped Weight	12-14kg

<b>Electrical Specifications</b>	
Rated Power	7.2kW (1-phase) 22kW (3 -phase)
Rated Supply Voltage	230 VAC Single Phase 400 VAC Three Phase
Voltage Tolerance / Frequency	230 VAC +10% -6% 50Hz 400 VAC +10% -6% 50Hz
Rated Current	32 Amps
PEN fault detection	Conforming to 722.411.4.1 (iii) (iv)
Earth Leakage Protection <sup>2</sup>	Internal 6mA DC protection (EN 62955) 30mA AC
Standby Power <sup>3</sup>	10 Watts
CT Sensor Voltage	0.333V
CT Sensor Specification	0 - 120 Amps / 25mm <sup>2</sup> maximum cable size split core
EVOFLEK Charging Cable <sup>4</sup>	4mm <sup>2</sup> Live Conductors / 32 A max current. High Performance ultra-flexible cable
<b>Installation</b>	
Mounting	Flush mounting location using 4x fixing points
Cable Entry	Rear and Bottom entry, hole cutting size between 20-25mm, molded guide provided at both rear and bottom entry
Supply terminal capacity	4mm <sup>2</sup> - 10mm <sup>2</sup>
Max Voltage drop	≤ 3% voltage drop allowance on supply cable (Dependant on length)

Dimensions Unboxed	286 x 172 x 110 mm
Mounting Height	Installed between 0.75m - 1.2m from ground level
CT Sensor Cable	Maximum extended length 30 metres unshielded CAT5/6 OR 50 metres shielded CAT6 data cable  Any shielding to be suitably earthed
Recommended Upstream Protection	40A RCBO (BSO EN 61009) or Type A RCD / RCCB (BSO EN 61008) + 40A MCB (BSO EN 60898) - B curve
Installed Weight	3.4 kg - 5.2kg
<b>Device Connection</b>	
Internet Connection	Wi-Fi - 802.11 b/g/n support, 802.11 n (2.4 GHz), up to 150 Mbps
Bluetooth	Bluetooth BLE 5 (set-up only)
Device Support	Apple iOs mobile device / Android mobile devices
EVSE Regulations	Compliant with The Electric Vehicles (Smart Charge Points) regulations 2021

1. The mounting wall must be capable of supporting at least four times the weight of unit (44kg) and must be fire resistant

2. The mounting hardware (screws, wall plugs etc) must be selected to be appropriate for the specific structure of the mounting wall

3. The cable used must be approved to a local national regulations and standards

4. The upstream protection must be approved to local national regulations and standards. The disconnection devices, isolators, etc. must be nearby and easily accessible at all times

 **DANGER**

Danger to life due to electrical voltage! Injuries due to electric shock and/or burns, possibly resulting in death, are possible.

During all work, make sure at all times that power to the system is switched off and secured so it cannot inadvertently be switched on.

- Before commissioning the device, check that all screw and terminal connections are tight.
- The termination panel covers must never be left open without supervision. Fit the termination panel cover when you leave the charge point.
- Do not make any unauthorised changes or modifications to the charge point
- Repair work to the charge point may only be completed by the manufacturer or a trained expert.
- Do not remove any identifiers such as safety symbols, warning instructions, rating plates, labels or cable markings.
- Ensure that the charging cable is not mechanically damaged (kinked, jammed or run over) and that the contact area does not come into contact with heat sources, dirt or water.

 **WARNING**

Safety notice:

- Switch off on all poles and from all sources.
- Secure to prevent it being switched on again.
- Verify isolation from the supply.
- Earth and short-circuit.
- Cover neighbouring live parts and cordon off danger areas.

 **CAUTION**

Ensure that the charge point is not damaged by incorrect handling (housing cover, internal parts, etc.)

On outdoor installations, do not open the termination panel cover in damp conditions.

- Do not tighten the securing screws with force.
- The installation area must be completely flat, do not bend the housing.
- Electronic components may be damaged if handled. Before handling modules, perform an electrically discharge process by touching a metallic earthed object.

Failure to follow the safety information may result in a danger of death, injury and damage to the device. The device manufacturer cannot accept any liability for claims resulting from this.