

AQUA

superPower



- + Marinised IP65 DC charger
- + Slim, compact, stylish
- + Liquid cooled
- + Aqua superPower certified
- + Latest safety standards
- + Durable, low maintenance
- + Increased reliability
- + Whisper quiet operation mode
- + Secure access via RFID / Aqua app
- + Plug & Charge

Aqua 75 - 75kW Specifications

Building the electric marine ecosystem



| | |
|-----------------------------------|---|
| CONNECTORS | 2 x CCS1/2 200A |
| CABLE LENGTH | 10m (cable management included) |
| OUTPUT POWER | Up to 75kW Up to 920V Up to 188A |
| SUPPLY INPUT | 3Ø AC see overleaf for regional details |
| SUPPLY FREQUENCY | 50 – 60 Hz +/-10% |
| IP RATING | IP65 |
| IK RATING | IK10 (Excluding Screen) |
| EFFICIENCY | 95% |
| POWER FACTOR | >0.99 |
| TOTAL HARMONIC DISTORTION | <5% THD |
| MAXIMUM OPERATING ALTITUDE | 3000 m (6561') |
| OPERATING TEMPERATURE | -35°C to 40°C (-31°F to 104°F) sustained operation at full power Rated for operation to 50°C (122°F) (de-rating applies) |
| STORAGE TEMPERATURE | -35°C to 70°C (-31°F to 158°F) |
| COMMUNICATION PROTOCOL | OCPP v1.6J |
| NETWORK CONNECTION | 3G/4G/Ethernet for network |
| AUTHENTICATION METHOD | RFID: MI-FARE ISO/IEC14443A/B, ISO/IEC15693, ISO/IEC18000-3, ISO 15118 (pre-registration required), FeliCa, NFC |
| CREDIT CARD READER | Optional Contact-less or 3-in-1 (region dependant) |
| ELECTRICAL PROTECTION | Over current, Over voltage, Under voltage, Short circuit, Surge protection, Protective earth continuity monitor |
| DIMENSIONS | 1998 x 850 x 309 mm (79' x 34' x 12') |
| WEIGHT | 266kg with cable management (587lbs) |
| SHIPPING WEIGHT | Up to 320kg depending on configuration (704lbs) |
| ACCESSIBILITY | Meets US ADA, EN 301 549, DIN 18040 Height Requirements |
| OPTIONS | <ul style="list-style-type: none"> • Simultaneous ready (dual EVSE) • Eichrecht DE-M Certified DC Meter* • 10' LCD display • Tilt Sensor upstream disconnect • Door Ingress Sensor upstream disconnect • Alternate 'Maggiore Green' colourway (subject to additional lead times/cost) |
| SAFETY COMPLIANCE* | WORLDWIDE: CE USA: CTUVUS |
| EMC* | WORLDWIDE: EMC Directive USA: FCC |

*Pending certification completion

AC GRID INTERFACE

| ITEM | WORLDWIDE: (400VAC / 415VAC) 75 KW | USA: (480VAC) 75 KW |
|--|--|--|
| VOLTAGE | 400VAC 3ph (no neutral) +/-10% | 480VAC 3ph (no neutral) +/-10% |
| FREQUENCY | 50Hz +/- 10% | 60Hz +/- 10% |
| NOMINAL CURRENT AT NOMINAL VOLTAGE LEVEL | 114A | 95A |
| MAXIMUM CURRENT AT LOW LINE LEVEL (NOMINAL VOLTAGE – 10%) AND PF>0.99 | 114A | 105A |
| OVER CURRENT PROTECTION DEVICE REQUIRED (OCPD) IN SITE DISTRIBUTION BOARD | 125A breaker recommended (Required for supply cable protection) | 125A breaker recommended (Required for supply cable protection) |
| UNDER-VOLTAGE RELAY/SHUNT TRIP RELAY IN SITE DISTRIBUTION BOARD (OPTIONAL) | <p>The Aqua75 includes options for circuitry to locally isolate the charger's power circuit if the safety loop monitor connected the door switches, tilt sensor, leak sensor or protective earth continuity monitor is triggered.</p> <p>Additionally, the charger can also include options to allow upstream isolations in the event of a safety loop trigger event by including an under-voltage relay coil or shunt trip module on the feeder circuit breaker in the site distribution board.</p> <p>Aqua chargers should only be installed by a licensed contractor and a licensed electrician, in accordance with all local and national codes and standards. This may include additional, lockable disconnect mechanisms within line of sight of the supplied equipment.</p> | |
| MINIMUM BURIED CABLE SIZE FOR AC SUPPLY (LENGTH OF AC CABLES AND SYSTEM EFFICIENCY SHOULD BE CONSIDERED WHEN SIZING CABLES) | Single cores in buried duct: 50mm ² Cu for L1,2,3 25mm ² Cu for PE Multicore cable in buried duct: 50mm ² Cu Multicore cable direct buried: 35mm ² Cu | Single cores in buried duct: 3AWG Cu for L1,2,3 4AWG Cu for PE Multicore cable in buried duct: 2AWG Cu |
| MAXIMUM LENGTH OF BURIED CABLES FOR MINIMUM AC LINK CABLE SIZE SPECIFIED | 200m (To maintain feeder voltage drop below 3%) | 200m (To maintain feeder voltage drop below 3%) |