

EU Declaration of Conformity

The Manufacturer of the Products covered by this Declaration is:

Delta-Q Technologies Corp.,
100 – 3577 Gilmore Way,
Burnaby, B.C., V5G 0B3
Canada

The Directives covered by this Declaration:

2014/30/EU Electromagnetic Compatibility Directive

2014/35/EU Low Voltage Equipment Directive

2011/65/EU + 2015/863/EU Restriction of Specific Hazardous Substances Directive

This Declaration Covers: IC0650 series Industrial Battery Chargers, Model Numbers:

IC0650-024-BASE	IC0650-036-BASE	IC0650-048-COMMD
IC0650-024-COMM	IC0650-036-COMM	
IC0650-024-CAN	IC0650-036-CAN	
IC0650-024-CANO	IC0650-036-CANO	
IC0650-024-USBR5	IC0650-036-USBR5	

Note: the charger models above all use the same PCB and vary components to obtain various output voltage and current ratings (IC0650-XXX) and external interface options (IC0650-XXX-YYYYY). The -COMM model includes all the optional communications features available. Other models have smaller subsets of these COMM circuits, (denoted by up to XX XX). Second suffix -XX denotes minor variance in input connectors, cords, output terminations, output DC cable length, and number of LED indicators (X may be any alphanumeric character).

The Basis on which Conformity is being declared:

The manufacturer hereby declares under his sole responsibility that the products identified above comply with:

- The principal elements of the safety objectives of the Low Voltage Equipment Directive (LVD)
- The protection requirements of the Electromagnetic Compatibility Directive (EMCD) at Class B levels
- The requirements of the Restriction of Specific Hazardous Substances Directive (RoHSD)

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The following Harmonized Standards have been applied:

Low Voltage Directive

EN 60335-1:2012+AC+A11+A13+A1+A14+A2+A15:2021 – Household and similar electrical appliances — Safety — Part 1: General requirements

EN 60335-2-29:2021+A1:2021 – Household and similar electrical appliances — Safety — Part 2-29: Particular requirements for battery chargers

IEC 60335-1:2020 – Household and similar electrical appliances — Safety — Part 1: General requirements

IEC 60335-2-29:2016+A1:2019 – Household and similar electrical appliances — Safety — Part 2-29: Particular requirements for battery chargers

EMC Directive

EN IEC 55014-1:2021 – Electromagnetic compatibility. Requirements for household appliances, electric tools and similar apparatus. Emissions, Class B, CISPR 14-1:2020

EN IEC 55014-2:2021 – Electromagnetic compatibility - Requirements for household appliances, electric tools and similar apparatus - Part 2: Immunity - Product family standard

EN IEC 61000-6-2:2016+2019 – Electromagnetic compatibility (EMC) – Part 6-2: Generic standards – Immunity standard for industrial environments

EN IEC 61000-6-3:2007+A1+AC+2021 – Electromagnetic compatibility (EMC) – Part 6-3: Generic standards - Emission standard for equipment in residential environments

EN IEC 61000-3-2:2019+A1:2021 – Electromagnetic compatibility (EMC) – Part 3-2: Limits – Limits for harmonic current emissions (equipment input current ≤ 16 A per phase)

EN 61000-3-3:2013+A1+A2+AC:2022 – Electromagnetic compatibility (EMC) – Part 3-3: Limits – Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current ≤ 16 A per phase and not subject to conditional connection

RoHS Directive

EN IEC 63000:2018 – Technical documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous substances

The technical documentation required to demonstrate that the products meet the requirements of the EMC Directive, Low Voltage Equipment Directive, and Restriction of Specific Hazardous Substances Directive has been compiled with and is available for inspection by the relevant enforcement authorities. The CE mark was first applied in: 2013

Authority: Steve Blaine

Signed:

DocuSigned by:

Steve Blaine

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Location: Burnaby, BC, Canada

Date: 9/21/2023

Co-CEO & Executive Vice President, Engineering and Quality

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Attention!

1.) The output of battery chargers and the battery terminal voltages may pose shock and energy hazards in normal operation. The on-board units must be integrated with the host equipment in such a manner that the output terminals and battery connections are protected from contact and only accessible with the use of a tool by qualified service personnel.

2.) The enclosure of these products has been tested successfully to EN60529, meeting IP66. The ac supply inlet however is considered to have an IP rating of IP20 suitable for indoor use only if not using a Delta-Q sealed ac cordset. If the charger is installed for use in any environment other than a clean, dry, indoor location, the input ac connector should be either:

- a.) sealed during installation to protect against ingress of moisture and dirt
- b.) installed in a clean, dry part of the machine enclosure or charge station

If the signal receptacles are present on the unit, they must be mated with sealed connectors so that all connectors are mated to maintain IP66 protection for the enclosure.

Design and integration guidance are available on request and are contained in the product "Design Guide", provided by Delta-Q Technologies. Additional information is available at www.delta-q.com or by email at info@delta-q.com

Sincerely,

DocuSigned by:
Steve Blaine
352B9BE5EA5840D...

Steve Blaine

Co-CEO & Executive Vice President, Engineering & Quality