

Order code: BC124V05BOB

## Charge & Testing Battery Charger

# Datasheet

### Product description

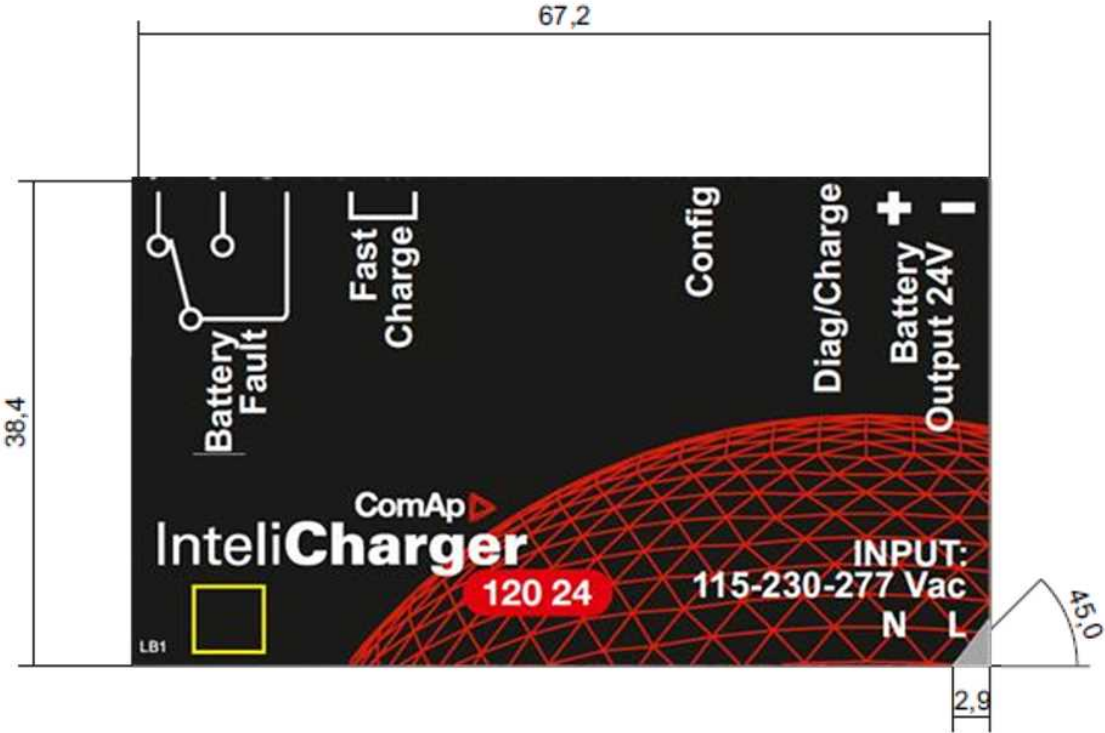
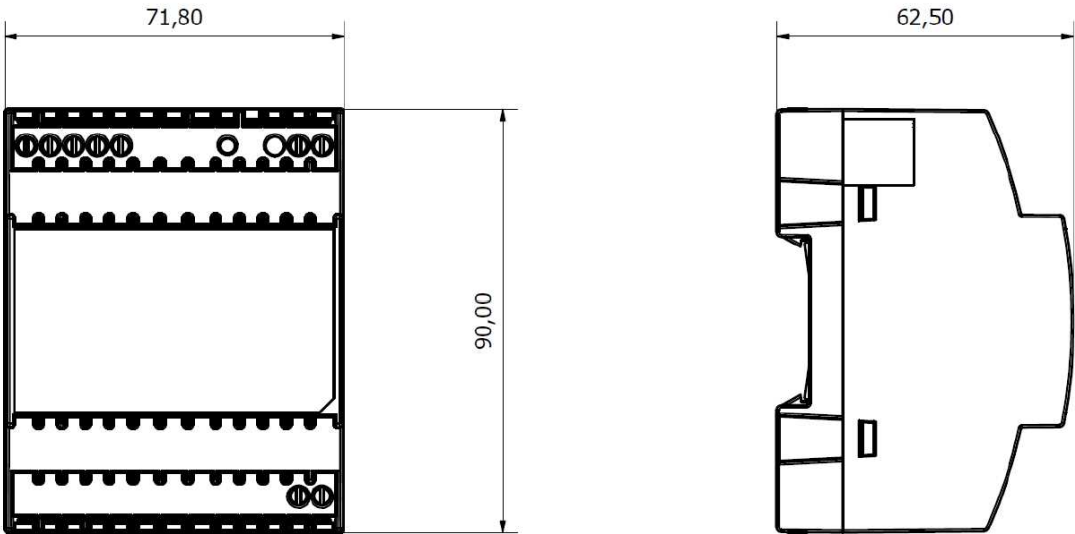
The InteliCharger 120 24 series is an advanced battery charger using "Switching technology" and "Battery care philosophy". Since years, parts of the core know-how at ComAp system led to the development of this multi-stage battery charging method, completely automatic and suited to meet the most advanced requirements of battery manufacturers.

### Key features

- > Input: Single-phase 115 – 230 – 277 V AC.
- > Power Supply Function.
- > Suited for the following battery types: Open Lead Acid, AGM, GEL, Ni-Cd.
- > Battery Care: Automatic diagnosis, Battery status Charging curve IUoUo, constant voltage and current Switching technology Semi-resonant.
- > Charging type: Boost, Absorption, Float, Recovery.
- > Protected against short circuit, inverted polarity, disconnection of the battery.
- > Signal output terminal (free switch contact) for faulty battery state.
- > Protection degree IP20 – DIN rail.

<b>Supplier's Declaration of Conformity 47 CFR § 2.1077 Compliance Information</b>
<b>Unique identifier:</b> BC124V05BOB
<b>Responsible Party:</b>
10 N Martingale Rd #400
60173 - Schaumburg, IL
USA
Tel: +420 246 012 111
E-mail: <a href="mailto:info@comap-control.com">info@comap-control.com</a>
<b>FCC Compliance Statement</b>
This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

# Dimensions, terminals and mounting



**Note:** All dimensions are in mm.

# Technical data

## Input data

Nominal Input Voltage (2 x V AC)	115 – 230 – 277
Input Voltage range (V AC)	90 .. 305
Inrush Current (Vn and In Load) I <sup>2</sup> t	≤ 16 A ≤ 5 ms
Frequency	47 .. 63 Hz ±6 %
Input Current (115 – 270 V AC)	1.6 .. 1.9 A (24 V 5 A version)
Internal Fuse	4 A
Internal Fuse (recommended)	10 A (MCB curve B)

## Battery charger output

Fast Charge – Boost Charge	28.8. V DC (24 V 5A version)
Fast Charge – Boost Charge (Ni-Cd)	29 V DC (24 V 5A version)
Recovery Charge	2..20 V DC (24 V 5A version)
Charging Current Max I <sub>batt</sub> < 30 °C (In)	5 A ± 5 %
Charging Current Max I <sub>batt</sub> > 40 °C (In)	5..2.5 A ±5 % (24 V 5A version)


## Climatic data

Ambient temperature (operation)	-25 .. +70 °C
De Rating Ta > 50 °C	-2.5 % (In) / °C
Ambient temperature Storage	-40 .. +85 °C
Humidity @ 25 °C no condensation	95% .. 25 °C
Cooling	Auto Convection
Auto Derating	Yes, above 30 °C

## Dimensions

Dimensions (w × h × d)	72 × 90 × 61 mm
Weight	0.30 kg approx.
Protection Class	IP20

## Certification

<ul style="list-style-type: none"> <li>&gt; IEC/EN 60335-2-29</li> <li>&gt; EN62368-1/UL1236</li> <li>&gt; Electrical safety 89/336/EEC</li> <li>&gt; EMC Directive 2014/35/UE (Low Voltage)</li> </ul>	<ul style="list-style-type: none"> <li>&gt; DIN41773 (Charging cycle)</li> <li>&gt; Emission: IEC 61000-6-3</li> <li>&gt; Immunity: IEC 61000-6-2.CE</li> </ul>
	
<ul style="list-style-type: none"> <li>&gt; FCC</li> </ul>	

