

InteliCharger

AUTOMATIC BATTERY CHARGER



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Description

The ComAp InteliCharger is an advanced automatic battery charger which is suitable for all type of battery including sealed and gel type batteries.

Its optimized charging system provides an equalizing level charge to the discharged battery to recharge it in the fastest possible time. The equalizing charge also helps maintain the individual battery cells in top condition to give full electrical capacity when demanded. As charging progresses the charger will adjust its output to avoid possible overcharging or over gassing situations to minimize battery maintenance and maximize battery lifetime.

The InteliCharger can be left connected to the battery continuously ensuring it is always charged and ready for use.

The InteliCharger is fully protected against overload, reverse battery connection, over voltage and over temperature as standard.

Features

- ▶ Fully automatic operation
- ▶ 100% continuous operation
- ▶ Compact size
- ▶ Soft-start circuit, limiting AC surge current
- ▶ Short circuit protected
- ▶ Overload protected
- ▶ Over voltage protected
- ▶ Reverse battery protected
- ▶ Over temperature protected
- ▶ Worldwide AC input range
- ▶ Low ripple output
- ▶ Sealed electronic construction
- ▶ Naturally cooled
- ▶ Cost effective
- ▶ Suitable for all battery types
- ▶ Available with 12 or 24V nominal outputs
- ▶ High reliability

Applications

- ▶ Standby generators
- ▶ Prime power generators
- ▶ Engine driven pumps/compressors
- ▶ DC breaker tripping systems
- ▶ Automotive or Marine
- ▶ Alarm systems
- ▶ Industrial control systems
- ▶ Robust PSU
- ▶ Electric vehicles



ComAp is a member of AMPS (The Association of Manufacturers of Power generating Systems).



ComAp products meet the highest standards, with every stage of production undertaken in accordance with the ISO certification obtained in 1998.



Selected ComAp products have the UL Certification.

Specification

Order codes

Product	Rating	Order code
IntelCharger 12V	12V Nominal (13.6V float) 4.0A pk	ICHG-BC-12
IntelCharger 24V	24V Nominal (27.2V float) 2.5A pk	ICHG-BC-24

Termination

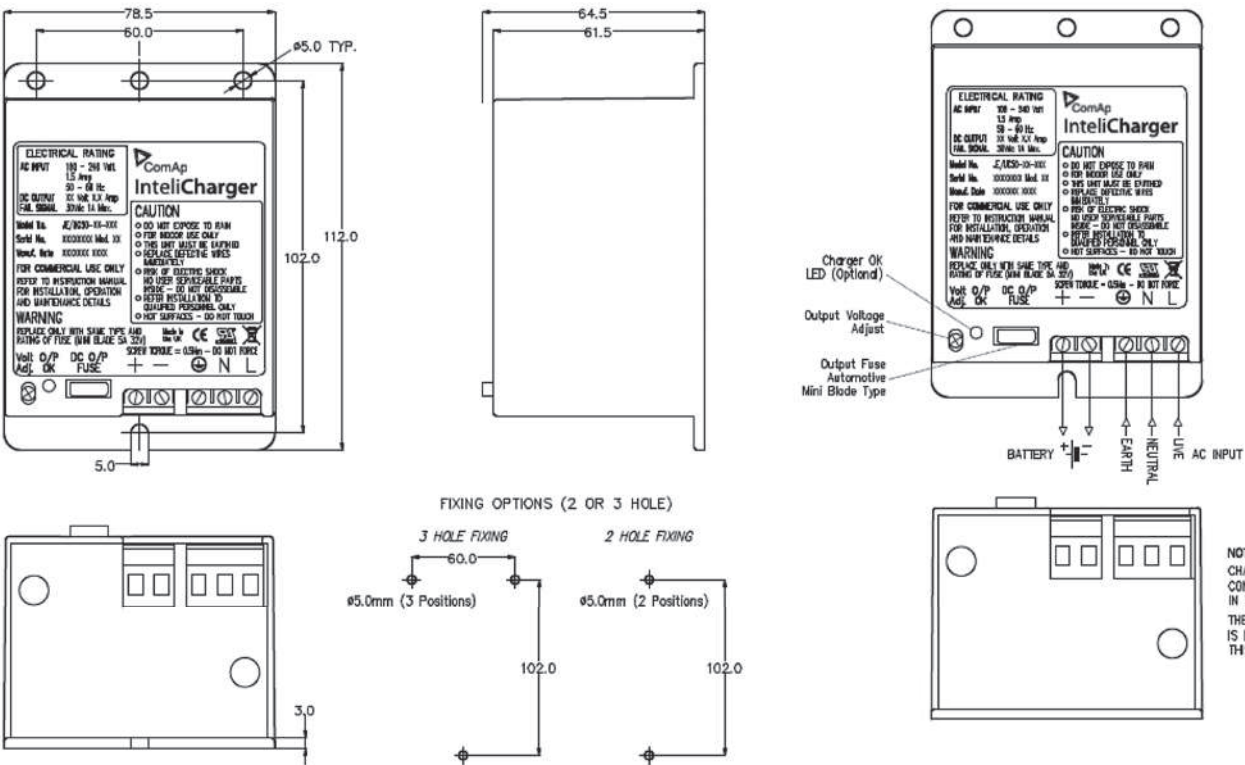
AC input and DC output connections terminate to rising clamp screw terminals and will accept a maximum 4.0 mm² stranded cable.

Optional alarm connections terminate to a 2-part plug / socket connector and will accept a maximum 2.5 mm² stranded cable.

Finish

Black ABS plastic case – Fine Spark Erode

Input Specification:	
Voltage Range, VIN:	85–264V AC
Frequency:	47–63Hz
Input Current:	1.5A @ 115V 0.75A @ 230V
Inrush Current:	30A @ 115V 60A @ 230V (Cold Start)
Leakage Current:	<1.0mA @ 240V AC
Output Specification:	
Voltage / Current:	12V Types: 13.6V / 4.0A pk. 24V Types: 27.2V / 2.5A pk.
Ripple & Noise:	<0.5%
Line Regulation:	±1%
Load Regulation:	±1%
Efficiency:	77%–80%
Overload Protection:	Constant Current Limit
Over Voltage Protection:	115%–135% Shutdown
Over Temperature Protection:	Tj 135°C–Shutdown
Reversed Battery Protection:	Internal diode with external 'automotive type' mini-blade fuse
Setup, Rise, Hold Up:	800ms, 60ms, 50ms (at 230V AC)
Isolation:	
Withstand Voltage:	Input – Output 1.5kV, AC Input – Earth 1.5kV AC Output – Earth 500V DC
Isolation Resistance:	500V DC / 100M Ohms (Output-Earth)
Environmental Specification:	
Working Temperature:	-10°C to +50°C
Working Humidity:	20%–90% RH
Storage Temperature:	-20°C to +80°C
Storage Humidity:	10%–95% RH
Unpacked Weight:	1 kg

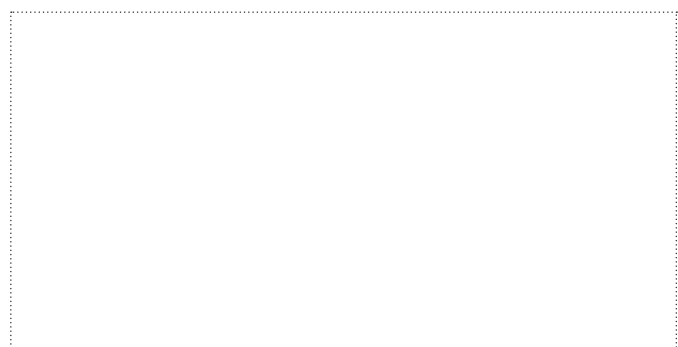


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Customer satisfaction is our mission. We continuously develop the best people to succeed in our mission.