

InteliCharger 60



AUTOMATIC BATTERY CHARGER



Description

Automatic battery chargers provide a cost effective solution to most industrial battery charging requirements. Utilising the latest high efficiency switch-mode technology the InteliCharger 60 is suitable for continuous float charging of sealed or vented batteries, for example sealed lead acid VRLA / AGM, Gel, flooded lead acid, Ni-Cad etc. The two stage constant current – constant voltage characteristic ensures accurate and efficient battery charging and is designed for permanent connection to the batteries maintaining them in a fully charged condition without overcharging.

InteliCharger 60 is fully protected against overload, reverse battery connection, over voltage and over temperature as standard.

Features

- ▷ Cost effective
- ▷ Compact size
- ▷ Sealed electronic construction
- ▷ Robust & high reliability
- ▷ Fully automatic operation
- ▷ Continuously rated
- ▷ Protection:
 - Short circuit
 - Overload
 - Over voltage
 - Over temperature
 - Reverse battery
- ▷ Universal AC input ranges
- ▷ Low ripple output
- ▷ Naturally cooled
- ▷ Voltage adjust potentiometer
- ▷ Optional fail alarm relay
- ▷ Charger can be used as a standalone power supply.

Applications:

- ▷ Standby generators
- ▷ Automotive
- ▷ Alarm systems
- ▷ Marine
- ▷ Industrial control systems
- ▷ Robust PSU
- ▷ Switchgear



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.

Specification

Input Specification:	
Voltage Range, V_{IN} :	100 - 240V AC / 100 - 277V AC +/-10%
Frequency:	47–63 Hz
Input Current:	1.35 A rms max.
Leakage Current:	None
Output Specification:	
Voltage / Current:	12.0 V Nominal 6.0 Apk. 24.0 V Nominal 3.0 Apk. Other Voltages Available on Request
Ripple & Noise:	±0.5 %
Line Regulation:	±0.5 %
Load Regulation:	±0.5 %
Efficiency:	Up to 89 %
Overload Protection:	Constant Current Limit / Fold back
Over Voltage Protection:	105 %–125 % Shutdown. Recycle I/P to restart.

Over Temperature Protection:	Output shutdown with automatic recovery
Reversed Battery Protection:	Internal diode – An external fuse must be fitted
Setup, Rise, Hold Up:	< 3 s, > 8 ms @ 110 Vac > 70 ms @ 230 Vac (full load)
Isolation:	
Withstand Voltage:	Input – Output 1.5 kV AC Input – Earth 1.5 kV AC Output – Earth 500 V DC
Isolation Resistance:	500 V DC / 100 M Ohms (Output-Earth)
Environmental Specification:	
Working Temperature:	-10°C to +50°C
Working Humidity:	10–90% RH
Storage Temperature:	-20°C to +85°C
Storage Humidity:	10%–95% RH
Unpacked Weight:	400 g

Model	DC Output Voltage	90-264Vac Input	90-305Vac Input	Adjust Pot.	Fail Alarm Relay	OK LED	Output Current	Order code
InteliCharger 60 12-A	12Vdc	●	●	●	●	●	6A	ICHG-60-12-A
InteliCharger 60 12-AF	12Vdc	●	●	●	●	●	6A	ICHG-60-12-AF
InteliCharger 60 24-A	24Vdc	●	●	●	●	●	3A	ICHG-60-24-A
InteliCharger 60 24-AF	24Vdc	●	●	●	●	●	3A	ICHG-60-24-AF

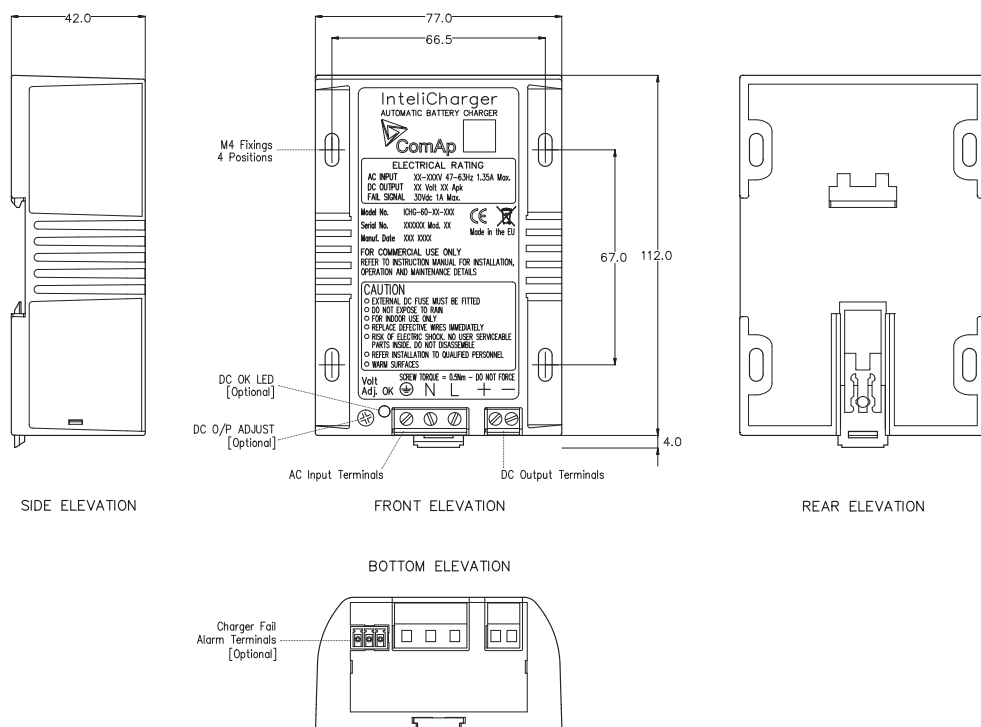
Termination

AC input and DC output connections terminate to rising clamp screw terminals and will accept a maximum 2.5 mm² stranded cable.

Optional fail alarm connections terminate to rising clamp screw terminals and will accept a maximum 1.5 mm² stranded cable.

Finish

Black ABS plastic case
– Fine Spark Erode



MANUFACTURER:

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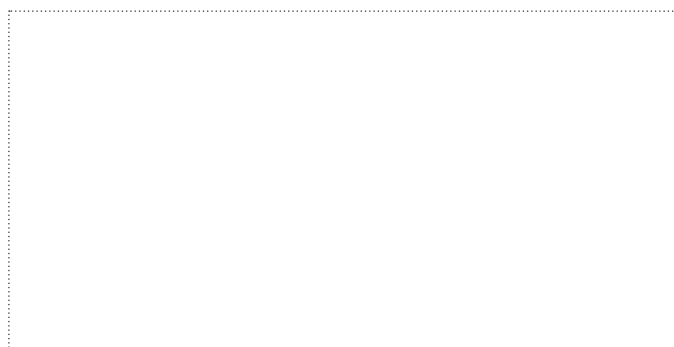
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Customer satisfaction is our mission. We continuously develop our people to be the best to succeed in our mission.