

### DESCRIPTION

The CH-1 series is a single-bay rapid battery charger designed for crane remote batteries.

Features:

- Charge times of between 2-3 hours depending on battery type.
- Automatically detects battery chemistry.
- Short circuit protection and temperature protection.

### SPECIFICATIONS

Suitable for (Brand)	Autec Modular MJ, MJ04, MK, MK Plus, E16 KTC, E16 Sirio 42
Compatible with (Battery)	Autec MBM06MH
Dimensions	132.1 x 113.8 x 67.8mm
Weight without PSU	Approx 230g
Weight with PSU	Approx 800g
Charger Case	ABS+PC
Charge Status Display	Dual LED Display
Chemistry	NiMH
Input Voltage	12-24V
Max Charge Current	700mA
AC Power Supply	100V-240V 50/60Hz 0.4A
AC PSU Output	12V 2.0A 24W 2.5mm DC
DC Power Supply	12V 2.0A 24W 2.5mm DC
Charge time	2-3 hours Approx.
Charge mode	NiCd/NiMH Constant Current
Temp	-5°C ~ +40°C
Approvals	CE (Charge Unit)

	LED Display	
	RED	GREEN
Power on	ON	OFF
Fast charge	ON	OFF
Charge completed	OFF	ON
Charge suspended	FLASH	OFF

### IMAGE



### DIAGRAM

### 1. PRECAUTIONS WHEN USED INSIDE A VEHICLE

- 1.1 Depending on vehicle's make and type, the voltage supplied by the vehicle may be unstable especially when the ignition is started. When the charger is used in vehicles that have 24V power supply, user must ensure that the voltage surge is not over 28V and the continuous power supply is not over 25V. It is recommended that the charger is disconnected from the vehicle's power source when starting the vehicle. It is also the user's responsibility to check and consult vehicle maker for information on power supply.
- 1.2 It is not recommended to use the charger inside a moving vehicle. When used inside a moving vehicle, the battery may rattle and charging can be intermittent. The user assumes full responsibility of damage and risk of using the charger in a moving vehicle.

### 2. SAFETY CAUTIONS

- 2.1 To ensure proper and reliable operation, please place the charger on a flat and stable surface.
- 2.2 Charge only approved rechargeable Ni-Cd and Ni-MH batteries. Other batteries may explode, causing personal injury and damage.
- 2.3 Use of unauthorised accessories may result in risk of fire, electric shock or injury.
- 2.4 Pull from the plug rather than from the cord when disconnecting the charger in order to prevent damaging the electric plug and cord.
- 2.5 Do not use the charger if it has been broken or damaged, or it may cause fire, electric shock or personal injury.
- 2.6 Do not connect any metal or electric conductive materials to the contacts in the charging holders; this may cause electric shock, injury or other damage.
- 2.7 Do not disassemble the charger and/or replace any components inside. Disassembling the charger may result in risk of electric shock or fire. Warranty is void if charger has been disassembled by unauthorised personnel.
- 2.8 To reduce the risk of electric shock, unplug the charger from the socket before attempting any maintenance or cleaning.

### 3. OPERATIONAL GUIDELINES

- 3.1 This equipment is designed for indoor use. For use in vehicles, please read the precautions carefully. Use only in dry locations/conditions.
- 3.2 Connect equipment only to an approved power supply of the correct voltage (as specified on the product).
- 3.3 When not in use, disconnect the power supply cord from the receptable.
- 3.4 The receptacle to which this charger is connected should be close by and easily accessible.
- 3.5 When using the charger, maximum ambient temperature around the power supply equipment must not exceed 40°C (104°F). Do not use the radio or attempt to charge the battery with temperature below 0°C (32°F) or above 40°C (104°F). Battery capacity will decrease under extreme temperatures.
- 3.6 If the battery has not been used for long period of time, charging will be required to restore the original capacity.
- 3.7 Output power from the power supply must not exceed the ratings stated on the product label.
- 3.8 Make sure the cord is located where it will not be stepped on, tripped over, or subjected to water, damage, or mechanical stress.