



1. OPERATING INSTRUCTIONS

CAUTION

Wear SAFETY GLASSES whenever handling batteries

1.1. Caution

- 1.1.1. Before using the charger, please read all instructions and cautionary markings.
- 1.1.2. The charger must be used in a well ventilated area. It is for indoor use only.
- 1.1.3. This charger is designed for 24V lead-acid type batteries only.
- 1.1.4. Make sure the charger leads are connected to the correct terminal.

 TELEDYNE BATTERY PRODUCTS <small>A Teledyne Technologies Company</small>	NUMBER O01-1003	REVISION NC	Date 3-19-12	Page 2 of 2
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- 1.1.5. When the charger is in use, it will heat up slightly, this is normal.
- 1.1.6. Avoid operating the charger in hot conditions. If needed, provide additional fan cooling.
- 1.1.7. Disconnect the AC power cord when charging is completed

1.2. Instructions

- 1.2.1. Connect the polarized clips to the appropriate battery terminal.
- 1.2.2. Connect the charger to main power, and turn charger on. At this point, the Orange LED light turns on.
- 1.2.3. Charging will be complete when the Green LED turns on.
- 1.2.4. The charger will then revert to Float, with the LED at Green, while charging at the lower voltage. The battery may be left connected and charger left on – for up to 6 months – until battery is required for installation.

2. TROUBLESHOOTING

Problem and Symptoms	Possible Reason	Solution
If power LED indicator is off and no output voltage when charger is plugged in	<ul style="list-style-type: none"> 1. No AC input 2. Charger malfunction 	<ul style="list-style-type: none"> 1. Check AC power source 2. Notify charger supplier
If AC power is normal, but Orange LED (charging) is off when charging	<ul style="list-style-type: none"> 1. The charger connections may be reversed 2. The output connection may be open 3. The fuse socket may be loose 4. Charger malfunction 	<ul style="list-style-type: none"> 1. Check output cable 2. Check output cable 3. Check DC fuse 4. Notify charger supplier
If AC power is normal but Orange LED (charging) LED is lit for a long time	<ul style="list-style-type: none"> 1. Battery malfunction 2. Charger malfunction 	<ul style="list-style-type: none"> 1. The battery is not charging normally. Stop charging and replace battery. 2. Notify Teledyne Battery Products
If the charging indicator turns to fully charged Green LED immediately	<ul style="list-style-type: none"> 1. Battery is fully charged 2. Battery malfunction 3. Charger malfunction 	<ul style="list-style-type: none"> 1. The battery is fine 2. Battery is not fully charged – may be defective. Replace battery 3. Replace charger

3. SPECIFICATIONS

Input Voltage	100VAC-220VAC ± 10%, Auto Switch
Input Frequency	50/60Hz
Output Current	7A
Output Equalizer Voltage	28.8VDC ± 0.2V
Output Float Voltage	26.35VDC ± 0.1V
Dimensions (L, W, H, inches)	7.3 x 3.5 x 1.9
Weight	1.8 lb.