

DOC REF NAME: LINDA-UM-102



LINDA U06/U12 Battery Charge Indicators

User Manual

Rev. 1.02

7 December 2004

Last modified: June 3, 2005

Technical Specifications

Input voltage (V)

U06:	8.3
U12:	16.5

Charged batteries type

U06:	6V rechargeable acid battery
U12:	12V rechargeable acid battery

Threshold Voltage (V)

U06:	6.9
U12:	13.8

Maximum Charge Current (A):

5

Maximum Dropout Voltage (V):

0.3

Dimensions L x W x H (mm):

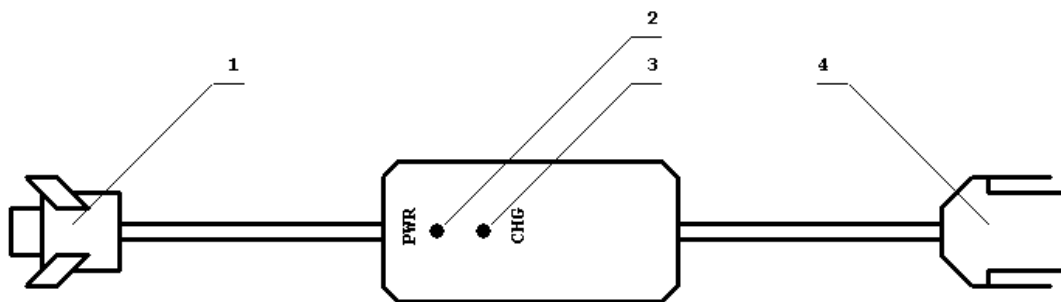
60mm x 35mm x 22mm

1. Introduction

LINDA U06/U12 modules are intended to monitor the process of acid battery charging and to indicate status of the charging process with Light Emitting Diodes (LED).

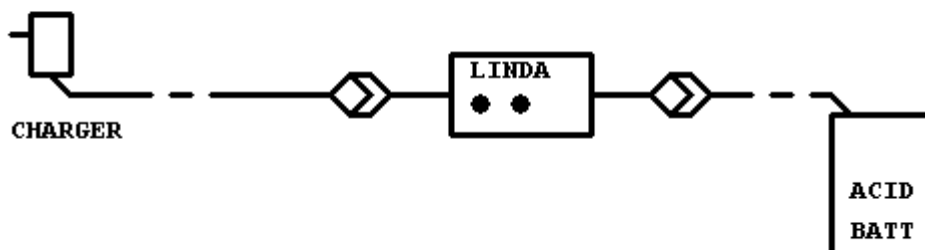
2. Technical Description

The LINDA U06/U012 module is housed in small plastic cabinet that has Power Cable Terminal (1), Battery Cable Terminal (4), Power LED Indicator (2), Charge LED Indicator (3) as shown on the picture below.



3. Operation Instruction

The LINDA module should be connected between charger and charged battery as shown on the picture below and in accordance with the following instruction.



- Verify that used LINDA module is suitable for battery that is going to be charged, and that the charger is corresponding to the battery. LINDA U06 model must be used with

6V acid battery and respective charger, and LINDA U12 must be used with 12V acid battery and respective charger.

- b. Connect Battery Cable Terminal (4) to the battery.
- c. Connect Power Cable Terminal (1) to output terminal of the charger.
- d. Plug the charger to AC power mains in.
- e. As soon as the charger is plugged in the AC power mains, the Power LED Indicator (2) will be lighting indicating presence of power, and the Charge LED Indicator (3) will be lighting indicating the battery charging process.
- f. The Charge LED Indicator (3) will stop lighting as soon as charging process is completed.

4. Troubleshooting

- 4.1. "PWR" and "CHG" indicators are off.
 - a. Improper and/or damaged charger is used.
 - b. Charger is not properly plugged in AC power mains.
 - c. Charger is not properly connected to LINDA module.
- 4.2. "PWR" indicator is ON, and "CHG" indicator is OFF while discharged battery is connected.
 - a. LINDA module is not properly connected to the battery.
 - b. The charged battery is damaged.
- 4.3. The LINDA module indicates that charging is completed, but the battery does not work properly after charging.
 - a. The battery is damaged.
 - b. Capacitance of the battery is too low.
- 4.4. "CHG" indicator is ON and does not getting OFF even after 15-18 hours the battery of charging.
 - a. The battery is damaged or is in loss of its nominal parameters

5. Legal Notes

This document refers to the LINDA U06/U12 Battery Charge Indicator, as the product's operation manual intended to help its users to use the unit.

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Disclaims

PRAF Microcomputer Technologies Ltd. (PRAFTEC) continuously works in order to improve the LINDA U06/U12 performance and features. This document and any features of the unit, including hardware and software of the product, are subject to be changed without prior notice.

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