Epic Power Converters, S.L.
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AN017
This application note has been created to test the status of the batteries life.

Revision
V1.1
January, 2019

Application Note - AN017

Batteries life test - P2S

Introduction

P2S device from epic power is comprised, between other elements, of batteries.

Depending on the use of the lift, batteries life expectancy will be different for each installation.

This document explains how to perform a battery life test in order to see if they should be replaced.

Please note that the information shown in this paper is solely for indicative purposes. Epic Power denies any liability regarding this information.

Batteries life test

Required tools

- Multimeter (DC Voltage)

Procedure

Note: All steps MUST be done in order.

1. Batteries must be fully charged before performing the test. This can be checked, turning of the inverter of the system and measure the voltage of the batteries. It should be 54.6 V.

2. Remove the 230 VAC power supply from the system.

3. Run an up/down/up full trip

4. Verify battery voltage and write it down. It should be over 45 V, otherwise, batteries should be replaced.

5. With empty cabin, run up+down 2-floor trips 10 times. After that, measure the battery voltage again, it should not be 1.5V less than the value measured in 4. If the value measured in 5 is lower than value measured in 4 minus 1.5V, batteries must be replaced.