

The Cradle operation theory

1. INTRODUCTION

This document provides information on the design and use of the The Cradle.
The The Cradle mainly consists of a USB charging circuit on the main body.

2. FEATURES

- Smart USB port DCV charge device.
- Timer / voltage dual signal ctrl circuit.
- High quality plate contact points.
- Ergonomic Contour Shape

3. SYSTEM BLOCK DIAGRAM

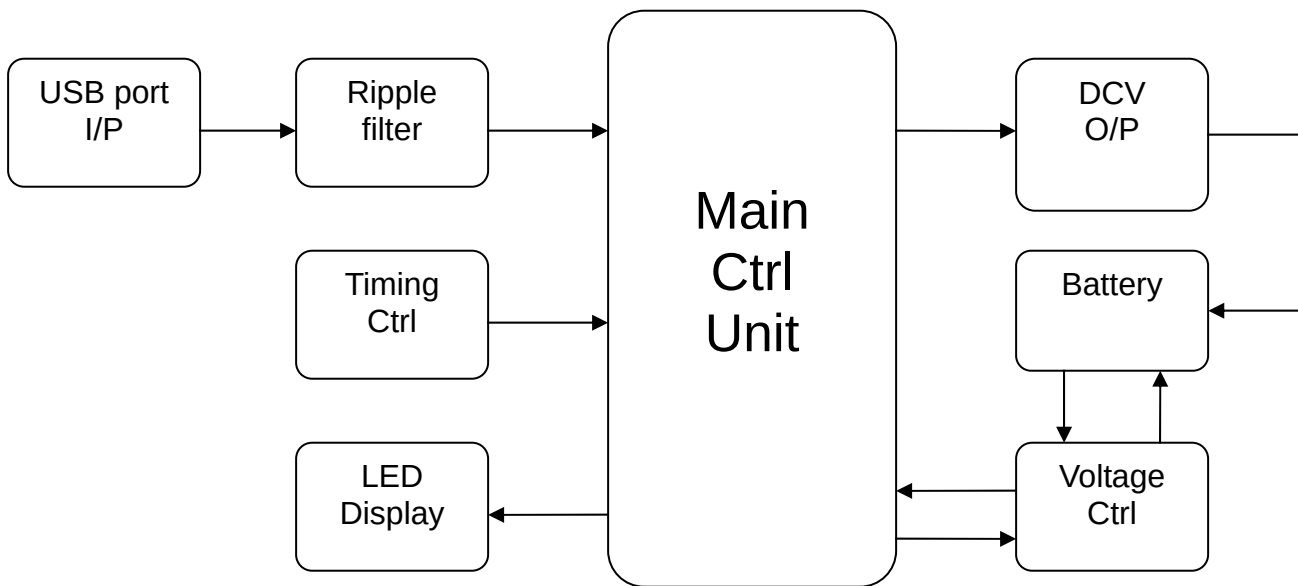


Figure 1 : System Block Diagram

4. FUNCTIONAL DESCRIPTION

- Start the power(LED flash 3 times).
- Check battery if there is reverse polar or vacant.
- Enable pin active.
- Timer auto reset.
- Start charging(LED flash normally).
- Verify timing and voltage.
- Completed charge(LED steady on).