
bq20z70 (v110) Change List

Battery Management

ABSTRACT

This document describes the changes being made to the previously released bq20z70 (v101) design.

1 Introduction

The new bq20z70 (v110) firmware upgrade has been released in order to address the following requests and new feature additions:

- Manufacturer Info is now 20 bytes.
- Over Charge Configuration is now user programmable such that on occurrence of a charging fault, if the *[OCHGI]* bit in *Charge Fault Cfg* is set, then the CHG FET is turned OFF.
- The operation of the Zero Voltage Charge function has been corrected. Previously, this feature was not functioning correctly.
- The optional 99% RSOC hold-off option has been improved. If the *[RSOCL]* Bit =1, then the 99% RSOC hold feature is activated. This means that *SBS.RSOC* stays at 99% *during charging* until a valid charge termination.

The following new orderable part numbers will be released to support this new device.

bq20z70PW-V110

bq20z70PWR-V110

Note that the latest version of the evaluation software is required to be able to read and write all the data flash configuration locations.

2 Summary

These changes are provided in order to enhance the functionality of the previous generation firmware.

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