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Worldwide (In English)

Evaluation Module for BQ24610 Multi Cell Synchronous Switch-Mode Battery Charger

(ACTIVE) BQ24610EVM



Description & Features



Technical Documents



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Key Document



• [bq2461x/bq2463x \(HPA422A\) Multi-Cell Synchronous Switch-Mode Charger \(Rev. A\)](#)
(PDF 726 KB)

27 Jul 2010 1,129 views

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Description

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The bq2461x is highly integrated Li-ion or Li-polymer switch-mode battery charge controllers. The bq2463x is highly integrated switch-mode battery charge controllers designed specifically to charge Lithium Phosphate battery chemistries. They offer a constant-frequency synchronous PWM controller with high accuracy charge current and voltage regulation, adapter current regulation, termination, charge preconditioning, and charge status monitoring. The bq2461x/bq2463x charges the battery in three phases: preconditioning, constant current, and constant voltage. Charge is terminated when the current reaches a minimum user-selectable level. A programmable charge timer provides a safety backup for charge termination. The bq2461x/bq2463x automatically restarts the charge cycle if the battery voltage falls below an internal threshold, and enters a low-quiescent current sleep mode when the input voltage falls below the battery voltage.



Stand-Alone Synchronous Switch-Mode Li-Ion or Li-Polymer Battery Charger Evaluation Module

Features

- Evaluation Module For bq2461x/bq2463x
- High Efficiency Synchronous Buck Charger
- User-programmable up to 26V Battery Voltage
- AC Adapter Operating Range 5V to 28V
- LED Indication for Control and Status Signals
- Test Points for Key Signals Available for Testing Purpose. Easy Probe Hook-up.
- Jumpers Available. Easy to Change Connections

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Part Number	Buy from Texas Instruments or Third Party	Buy from Authorized Distributor	Status	Lead-Free	RoHS	REACH	WEEE	Hi-V (>50VRMS/75 VDC)	CE	CE-EMC	CE-RTTE/LVD	FCC	Batteries	Enclosure	Ext Power Supply
BQ24610EVM: Evaluation Module for BQ24610 Multi Cell Synchronous Switch-Mode Battery Charger	\$99.00(USD) In Stock Typically Ships in 1 to 3 Business Days Buy from TI	Pricing may vary. Buy from distributor	ACTIVE	Yes	Yes	Yes	NA	NA	NA	NA	NA	NA	No	No	No
Contact a Distributor															
California											Go				

 TI's [Standard Terms and Conditions for Evaluation Modules](#) apply.

Technical Documents

Datasheet (2)

Title	Abstract	Type	Size (KB)	Date	Views
 Stand-Alone Synchronous Switch-Mode Lilon or Li-Polymer Battery Charger (Rev. B)		PDF	2126	24 Sep 2013	
 Stand-Alone Synchronous Switch-Mode Li-Ion or Li-Polymer Battery Charger		PDF	1930	17 Dec 2009	

User Guides (1)

Title	Abstract	Type	Size (KB)	Date	Views	TI Recommends
bq2461x/bq2463x (HPA422A) Multi-Cell Synchronous Switch-Mode Charger (Rev. A)		Multiple Files		27 Jul 2010	1,129	✓

Related Products

Software (2)

-  [HPA2244B Gerber Files](#)
(ZIP, 402 KB) 47 views, 26 Oct 2010
-  [HPA603A Gerber Files](#)
(ZIP, 352 KB) 37 views, 26 Oct 2010

TI Devices (2)

Part Number	Name	Product Family
BQ24610	Stand-Alone Synchronous Switch-Mode Li-Ion or Li-Polymer Battery Charger with 5V–28V VCC Input	Battery Management Products
BQ24617	Stand-Alone Synchronous Switch-Mode Li-Ion or Li-Polymer Battery Charger with 5V–24V VCC Input	Battery Management Products

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Training & events

Name	Type	Available During
Georgia Tech MOOC: Control of Mobile Robots Learn how to make mobile robots move in effective, safe, predictable, and collaborative ways using modern control theory.	On-Line Training	On Demand
SimpleLink™ Wi-Fi CC3100 and CC3200 Project 0 Series - 5 Part Series Learn about using Software Tools for SimpleLink™ Wi-Fi CC3100 Boosterpack and CC3200 Launchpad	On-Line Training	On Demand
TI-RTOS Update Learn about the latest TI-RTOS features and more in-depth understanding of this TI software tool.	On-Line Training	On Demand
Designing with Ultra Low Power Segmented Displays Learn about designing Ultra-low Power Segmented Displays and MSP430	On-Line Training	On Demand

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