

28Vdc Input Super Cap Charger with Boost Converter for Bus Holdup

Status: ACTIVE

PMP7327.2

- Description/Features
- Technical Documents
- Support & Community
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Description

This reference design uses the BQ24640 super cap charging controller to charge a large bank of super caps to voltage just below the input bus voltage. During an input bus dropout, the energy from the super caps is used to power a boost converter that can supply 10A of output current at 26.2V. This output can be used to hold up the bus voltage for up to 10 seconds (260W for 10 sec).

Technical Documents

User Guides (1)

Title	Abstract	Type	Size (KB)	Date	Views
 PMP7327 Test Results		PDF	3454	11 Feb 2013	84

More Literature (2)

Title	Abstract	Type	Size (KB)	Date	Views
 PMP7327 BOM		PDF	21	11 Feb 2013	49
 PMP7327 Schematic		PDF	39	11 Feb 2013	106

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Training & Events

Name	Type	Available During
In-depth PFC Design Workshop sponsored by Biricha Digital Power	In-Person	15 Mar 2014 - 22 Mar 2014
Power Fundamentals: Switching Power Supply Design Considerations - Managing Thermal Performance	Recorded Content	On Demand
Power Fundamentals: Switching Power Supply Design Considerations - Thermal Design Guidelines and Recommendations	Recorded Content	On Demand
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