P1013

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Type of Project: Revision to IEEE Standard 1013-2007
PAR Request Date: 28-Jul-2017
PAR Approval Date: 28-Sep-2017
PAR Expiration Date: 31-Dec-2021
Status: PAR for a Revision to an existing IEEE Standard
Root Project: 1013-2007

1.1 Project Number: P1013
1.2 Type of Document: Recommended Practice
1.3 Life Cycle: Full Use

2.1 Title: Recommended Practice for Sizing Lead-Acid Batteries for Stand-Alone Photovoltaic (PV) Systems
Changes in title: IEEE Recommended Practice for Sizing Lead-Acid Batteries for Stand-Alone Photovoltaic (PV) Systems

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4.1 Type of Ballot: Individual
4.2 Expected Date of submission of draft to the IEEE-SA for Initial Sponsor Ballot: 11/2017
4.3 Projected Completion Date for Submittal to RevCom
Note: Usual minimum time between initial sponsor ballot and submission to Revcom is 6 months.: 07/2018

5.1 Approximate number of people expected to be actively involved in the development of this project: 25
5.2 Scope: This recommended practice describes a method for sizing both vented and valve-regulated lead-acid batteries in stand-alone PV systems. Installation, maintenance, safety, testing procedures, and consideration of battery types other than lead-acid are beyond the scope of this recommended practice. Sizing batteries for hybrid and grid-connected PV systems is beyond the scope of this recommended practice. Recommended practices for the remainder of the electrical systems associated with standalone PV installations are also beyond the scope of this recommended practice. Sizing examples are given for various representative system applications. Iterative techniques to optimize battery costs, which include consideration of the interrelationship between battery size, PV array size, and weather, are beyond the scope of this recommended practice.

5.3 Is the completion of this standard dependent upon the completion of another standard: No
5.4 Purpose: This recommended practice is meant to assist system designers in sizing lead-acid batteries for residential, commercial, and industrial stand-alone PV systems.

5.5 Need for the Project: This project is needed to update the current recommended practice to reflect improvements and changes in industry technology and processes. No changes will be made to the approved document prior to this ballot. The ballot process will stimulate coordination among stakeholder and comments will provide valuable feedback on the validity of these documents and identify gaps.
5.6 Stakeholders for the Standard: Stakeholders include: electric power system owners, planners, designers, and operators; electricity consumers; equipment manufacturers; system integrators; distributed energy resource personnel; energy efficiency and demand response personnel; energy project developers, and regulatory and government bodies.

Intellectual Property
6.1.a. Is the Sponsor aware of any copyright permissions needed for this project?: No
6.1.b. Is the Sponsor aware of possible registration activity related to this project?: No

7.1 Are there other standards or projects with a similar scope?: No
7.2 Joint Development
   Is it the intent to develop this document jointly with another organization?: Yes
   Organization: IEEE PES Stationary Battery Committee (StaBatt)
   Technical Committee Name: Technical ComEnergy Storage and Stationary Battery (ESSB)
   Technical Committee Number: PE/ESSB
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8.1 Additional Explanatory Notes: This standard is in use and relevant today. The objective is to engage the Working Group members and IEEE PES ESSB members to review this standard and provide comments. No changes will be made to the approved document prior to this ballot. The ballot process will stimulate coordination among stakeholder and comments will provide valuable feedback on the validity of these documents and identify gaps.