**Resources / Reading Assignments on Stand-Alone / Off Grid System Design:**

**Home Power Magazine: Designing a Stand Alone System**- [Khanti Munro](https://homepower.com/profiles/khanti-munro)

<https://homepower.com/articles/designing-stand-alone-system>

**Home Power magazine: “Toast, Pancakes and Waffles:  Planning Wisely for Off-Grid Living”-** [Allan Sindelar](https://homepower.com/profiles/allan-sindelar)

<https://homepower.com/articles/toast-pancakes-and-waffles>

**Solar Photovoltaic Systems, 2nd edition, James P. Dunlop**-

Topic page numbers

Stand Alone Systems 102 - 105

Battery Bank Sizing 237 – 240

OCPD of stand alone systems 308 – 309

Sizing of Stand alone systems 231 – 232

Availability 242 – 243

Voltage rrequirements 242

**Batteries and Charge Control in Stand Alone Systems- 1997- James Dunlop, P.E. of Florida Solar Energy Center**

AKA:

[**http://tinyurl.com/Batteries-and-Charge-Control**](http://tinyurl.com/Batteries-and-Charge-Control)

**Battery FAQS and details from Wind and Sun:**

<http://www.windsun.com/Batteries/Battery_FAQ.htm>

**More to help you prepare:**

**DON’T FOR GET ABOUT WHAT NABCEP HAS PUT OUT THERE OVER THE YEARS!**

**FSEC DUNLOP 2003 NABCEP STUDY GUIDE**:

[**http://tinyurl.com/2003-NABCEP-STUDY-GUIDE**](http://tinyurl.com/2003-NABCEP-STUDY-GUIDE)

* Do you remember how to do inter-row shading analysis? See pdf pages 13 – 15 [Section 3.2]
* Would you like a review of what matters in conductor sizing? What matters: temperature, conduit fill, and voltage drop? See pdf pages 22 – 25 [Section 3.5.1]

**NABCEP PVI Exam Study guide 2009**

[**http://tinyurl.com/NABCEPstudyguide2009**](http://tinyurl.com/NABCEPstudyguide2009)

**NABCEP CLIFF NOTES?! Really?**

[**http://tinyurl.com/NABCEP-cliff-notes**](http://tinyurl.com/NABCEP-cliff-notes)

**More stuff I dug up:**

[**http://www.nabcepexamstudyguide.com/1-solar-pv-basics.html**](http://www.nabcepexamstudyguide.com/1-solar-pv-basics.html)

[**http://www.nabcepexamstudyguide.com/2-determining-array-size.html**](http://www.nabcepexamstudyguide.com/2-determining-array-size.html)

<http://www.nabcepexamstudyguide.com/3-sizing-the-inverter.html>

All made available from the creator of the NABCEP Cliff Notes!

**Formula Flash Cards? Oh my…**

<http://quizlet.com/_82vxl>