

REFERENCES

- 1) “LM317 Integrated circuit datasheet – Production data”, STMicroelectronics, Geneva, Switzerland, Tec. Rep. DocID2154 Rev 19, 12-Mar-2014.
- 2) “KA317 / LM317 3-Terminal Positive Adjustable Regulator”, Fairchild Semiconductor Corporation, Orchard Parkway, San Jose, CA 95134, U.S.A., Tec. Rep. KA317 / LM317 Rev. 1.2.1, July 2013.
- 3) “BQ2031 Lead-Acid Fast-Charge IC”, Texas Instruments Incorporated, P.O. Box 660199, Dallas, TX 75266-0199, June 1999 E
- 4) “U-510 Using the bq2031 to Charge Lead-Acid Batteries”, Texas Instruments Incorporated, P.O. Box 660199, Dallas, TX 75266-0199, Oct. 1997 C
- 5) “U-511 Switch-Mode Power Conversion Using the bq2031”, Texas Instruments Incorporated, P.O. Box 660199, Dallas, TX 75266-0199.
- 6) Lokesh Ghulyani , “Simple MPPT-Based Lead Acid Charger Using bq2031”, Texas Instruments Incorporated, P.O. Box 660199, Dallas, TX 75266-0199, Application Report SLVA378–December 2009.
- 7) S. Duryea, S. Islam , W. Lawrance, “A battery management system for stand-alone photovoltaic energy systems” , IEEE Industry Applications Magazine, Vol. 7 , no. 3, 2001 , pp. 67 – 72.
- 8) Yaow-Ming Chen , Chien-Hsing Lee , Hsu-Chin Wu, “Calculation of the optimum installation angle for fixed solar-cell panels based on the genetic algorithm and the Simulated-annealing method ” , IEEE Trans. on Energy Conversion, Vol. 20 , no. 2, 2005 , pp. 467 - 473.
- 9) Huang-Jen Chiu , Li-Wei Lin , Ping-Lung Pan , Ming-Hsiang Tseng, “A novel rapid charger for lead-acid batteries with energy recovery” IEEE Trans. on Power Electronics, Vol. 21, no. 3, 2006 , pp. 640 - 647.
- 10) V.L. Dzwonczyk , “An Engineering Approach to Control Room Lighting”, Trans. of the American Institute of Electrical Engineers, Vol. 70 , no. 1, 1951 , pp. 852 - 861.

- 11) H.S.-H. Chung , K.K. Tse , S.Y.R. Hui , C.M. Mok , M.T. Ho, “A novel maximum power point tracking technique for solar panels using a SEPIC or Cuk converter” , IEEE Trans. on Power Electronics, Vol. 18 , no. 3, 2003 , pp. 717 - 724.
- 12) H. Fakham , Di Lu , B. Francois , “Power Control Design of a Battery Charger in a Hybrid Active PV Generator for Load-Following Applications” , IEEE Trans. on Industrial Electronics, Vol. 58 , no. 1, 2011 , pp. 85 - 94.
- 13) Christopher S. Derganc, “Innovation: Thomas Edison and his electric lighting system: The inventor's notebooks reveal that he was actually a skilled practitioner of systems engineering, not the tinkerer of legend”, IEEE Spectrum, Vol. 16, no. 2, 1979, pp. 50 - 59.
- 14) C.M. Shepherd, "Design of Primary and Secondary Cells - Part 2. An equation describing battery discharge," Journal of Electrochemical Society, Vol. 112, Jul. 1965, pp. 657-664
- 15) O. Tremblay, L.-A. Dessaint, A.-I. Dekkiche, "A Generic Battery Model for the Dynamic Simulation of Hybrid Electric Vehicles," Vehicle Power and Propulsion Conference, 2007. VPPC 2007. IEEE 9-12 Sept. 2007, pp. 284-289
- 16) NERD Centre of Sri Lanka, ”Moon lamp”, Sri Lankan patent, 17547, 10-Jan-2014.
- 17) “sunmodule-off-grid-brochure, SolarWorld”, SolarWorld Americas , 25300 NW Evergreen Road, Hillsboro, Oregon, 97124, September 2011.
- 18) “Matlab R2009b help files”, Mathworks Corporate Headquarters, 3, Apple Hill Drive, Natick, MA, USA. <http://www.mathworks.com>
- 19) “Proteus 8 help files”, Labcenter Electronics Ltd, 53-55 Main Street, Grassington, North Yorkshire, BD23 5AA, England.