

## REFERÊNCIAS

- DIAS, E. M.; NETO, D. D.; SCOTON, M. L. R. P. D.; OLIVEIRA, D. H. d.; SANTOS, I. M. G. L. d.; MENEZES, J. H. V. Agro 4.0: fundamentos, realidades e perspectivas para o brasil. 2023.
- DW, H. **Full-Wave Rectifiers. In: Power Electronics.** [S.l.]: New York, NY: McGraw-Hill, 2011.
- ERICKSON, R. W.; MAKSIMOVIC, D. **Fundamentals of power electronics.** [S.l.]: Springer Science & Business Media, 2007.
- FRADEN, J. **Handbook of modern sensors: physics, designs, and applications.** [S.l.]: Springer, 2004.
- FRANCO, S.; SERGIO, F. **Design with operational amplifiers and analog integrated circuits.** [S.l.]: McGraw-Hill New York, 2002. v. 1988.
- HADIFAR, N.; BIGLO, A. H. A.; NIA, A. M. G.; HADIFAR, A.; ALIASGHARI, T. P.; RAMEZANKHANI, A. Smart monitoring of solar greenhouses: A cost-effective solution. In: **2024 28th International Electrical Power Distribution Conference, EPDC 2024.** [S.l.]: Institute of Electrical and Electronics Engineers Inc., 2024. ISBN 9798350385502.
- HOROWITZ, P.; HILL, W. **A arte da eletrônica: circuitos eletrônicos e microeletrônica.** [S.l.]: Porto Alegre: Bookman, 2017.
- KESTER, W.; DEVICES, i. A. **Data Conversion Handbook.** Elsevier Science, 2005. (Analog Devices series). ISBN 9780750678414. Disponível em: <<https://books.google.com.br/books?id=0aeBS6SgtR4C>>.
- MASTERS, G. M. **Renewable and efficient electric power systems.** [S.l.]: John Wiley & Sons, 2013.
- ORDÓÑEZ, A.; URBANO, J.; MESA, F.; CASTAÑEDA, M.; ZAPATA, S.; QUESADA, B.; GARCÍA, O.; ARISTIZÁBAL, A. J. **Design and implementation of an autonomous device with an app to monitor the performance of photovoltaic panels.** [S.l.]: Elsevier Ltd, 2024. 2498-2510 p.
- PATRANABI, D. **SENSORS AND TRANSDUCERS.** PHI Learning, 2003. ISBN 9788120321984. Disponível em: <<https://books.google.com.br/books?id=7p1yKXMbxkgC>>.
- PILLER, S.; PERRIN, M.; JOSSEN, A. Methods for state-of-charge determination and their applications. **Journal of power sources**, Elsevier, v. 96, n. 1, p. 113–120, 2001.
- PISTOIA, G. (Ed.). **Lithium-Ion Batteries: Advances and Applications.** 1st. ed. [S.l.]: Elsevier Science, 2014. 664 p. ISBN 978-0444595133.
- RAHMAN, M. M.; ZHANG, W.; ZHENG, Y.; PEARCE, J. M. Open-source portable solar power supply for plasma generators. **HardwareX**, Elsevier Ltd, v. 22, 6 2025. ISSN 24680672.
- RASHID, M. H. **Alternative energy in power electronics.** [S.l.]: Butterworth-Heinemann, 2014.

RASHID, M. H. **Power Electronics: Devices, Circuits, and Applications**. Fourth. Harlow, Essex, England: Pearson Education Limited, 2014. Edição Internacional. Adaptação autorizada da edição dos Estados Unidos [1]. A edição internacional também contém contribuições de Narendra Kumar e Ashish R. Kulkarni [2]. ISBN 978-0-273-76908-8.

REDDY, T. B. (Ed.). **Linden's Handbook of Batteries**. Fourth. New York: McGraw-Hill, 2011. ISBN 978-0-07-162421-3.

REHMAN, A. ur; ALBLUSHI, I. G.; ZIA, M. F.; KHALID, H. M.; INAYAT, U.; BENBOUZID, M.; MUYEEN, S. M.; HUSSAIN, G. A. A solar-powered multi-functional portable charging device (spmfpcd) with internet-of-things (iot)-based real-time monitoring—an innovative scheme towards energy access and management. **Green Technologies and Sustainability**, KeAi Communications Co., v. 3, 1 2025. ISSN 29497361.

SATYANARAYANAN, M. The emergence of edge computing. **Computer**, IEEE, v. 50, n. 1, p. 30–39, 2017.

SEDRA, A. S.; SMITH, K. C. **Microelectronic circuits seventh edition**. [S.l.]: Oxford University Press, New York, 2015.

SHI, W.; CAO, J.; ZHANG, Q.; LI, Y.; XU, L. Edge computing: Vision and challenges. **IEEE internet of things journal**, IEEE, v. 3, n. 5, p. 637–646, 2016.

SILVA, W. d. S.; SOARES, B.; ALMEIDA, V. d. L.; VIANA, L.; PASTORI, P. L.; MAGALHAES, D. M.; ROCHA, A. R. da. Detecçao da praga spodoptera frugiperda no cultivo de milho usando armadilhas inteligentes e visao computacional. In: **SBC. Workshop de Computação Aplicada à Gestão do Meio Ambiente e Recursos Naturais (WCAMA)**. [S.l.], 2024. p. 61–70.

SUDJANA, O.; SEPTANTO, H. Data acquisition and visualization for solar power battery using iot open source stack solution. In: **ICSECC 2020 - 2nd International Conference on Sustainable Engineering and Creative Computing, Proceedings**. [S.l.]: Institute of Electrical and Electronics Engineers Inc., 2020. p. 177–181. ISBN 9781728175881.

THOMAS, R.; DAVID, L. **Linden's Handbook of Batteries, 4/E (Set 2)**. [S.l.]: McGraw-Hill Professional Publishing, 2010.

TREMBLAY, O.; DESSAINT, L.-A. Experimental validation of a battery dynamic model for ev applications. **World electric vehicle journal**, Multidisciplinary Digital Publishing Institute, v. 3, n. 2, p. 289–298, 2009.

VALVANO, J. W. **Embedded microcomputer systems: real time interfacing**. [S.l.]: CL-Engineering, 2011.

VOICU, V.; PETREUS, D.; ETZ, R. Solar powered raspberry pi for internet of things and wireless sensor networks. In: **IEEE International Symposium for Design and Technology of Electronics Packages, SIITME - Conference Proceedings**. [S.l.]: Institute of Electrical and Electronics Engineers Inc., 2024. p. 500–503. ISBN 9798331539511. ISSN 26427036.

VOICU, V.; PETREUŞ, D.; ETZ, R. Solar powered raspberry pi for internet of things and wireless sensor networks. In: **IEEE. 2024 IEEE 30th International Symposium for Design and Technology in Electronic Packaging (SIITME)**. [S.l.], 2024. p. 500–503.

WEIDLICH-RAU, M.; NAVINE, A. K.; CHAOPRICHCHA, P. T.; GüNTHER, F.; KAHL, S.; WILHELM-STEIN, T.; MACK, R. C.; REERS, H.; RICE, A. N.; EIBL, M.; HART, P. J.; WOLFF, P.; KLINCK, H.; SCHNELL, L. D.; DORATT, R.; LOQUET, M.; LACKEY, T. Continuous real-time acoustic monitoring of endangered bird species in hawai‘i. **Ecological Informatics**, Elsevier B.V., v. 87, 7 2025. ISSN 15749541.

WOLF, M. **Computers as components: principles of embedded computing system design.** [S.l.]: Elsevier, 2012.