

## ARC FLASH CALCULATIONS

For Professional Electrical Engineer Applicants

LEARN FROM A SEASONED & RENOWNED EXPERT IN THE FIELD  
OF ELECTRICAL ENGINEERING & DISTRIBUTION UTILITY



### COURSE DESCRIPTION

Arc flash is an incident that was not given much attention before. However, electrical practitioners are now getting more aware and informed about the hazards brought by arc flash. This 1-day course will discuss what arc flash is and its effects on personnel working live on electrical installations. Topics to be covered are arc flash boundaries the provisions of the PEC on arc flash, arc flash energy, IEEE Standard 1584 series of 2018, and a brief comparison with the 2002 edition. Sample calculations will be presented to determine the arc flash energy and arc flash boundary.

### PROGRAM OBJECTIVES

At the end of the session, the participants will be able to:

- Understand the hazards brought by arc flash incidents
- Gain knowledge on the different arc flash boundaries
- Understand the provisions of the Philippine Electrical Code Part 1 on arc flash
- Compute the incident energy and arc flash boundary

## WHO SHOULD ATTEND?

- Power System Engineers
- System Operations Engineers
- Power System Protection Engineers
- Power System Operator & Maintenance Engineers
- Electrical System Designers & Project Managers

---

## PROGRAM OUTLINE

1-day Face-to-face Class  
May 6, 2023

- I. Types of Arc Flash
- II. Rationale for Arc Flash Analysis
- III. Arc Flash Boundaries
- IV. PEC 1 Provisions on Arc Flash
- V. Arc Flash Analysis
  - Incident Energy
  - Arc Flash Boundary

---

## ABOUT THE EXPERT SPEAKER



A seasoned power system technical and management professional, Engr. Atoy Leynes is a Professional Electrical Engineer, ASEAN Chartered Professional Engineer, APEC Engineer, and a graduate of the Power System Engineering Course of General Electric in New York and MERALCO.

Apart from this, he is an Independent Director of the Philippine Electricity Market Corporation. He is a former Senior VP and COO of Clark Electric Distribution Corporation, Managing Director and CEO of Ibadan Electricity Distribution Company in Nigeria, VP of Meralco, and Chairman of the PRC-Electrical Engineering Board.

## EVALUATION REMARKS OF PREVIOUS PARTICIPANTS TO THE SPEAKER

*As stated in the evaluation sheet*

*"Very accommodating at entertaining questions, very energetic and Sir Atoy is very knowledgeable."*

*"He knows what he is teaching and has wide knowledge regarding the topic. He is accommodating too to every question asked by the participant"*

*"Very precise, even derivation of formulas was explained. I'm grateful for the technicals he presented."*

*"The training gave me more information and knowledge about transformers, its connection, and how it actually works."*

Highly recommended by power industry professionals.

## LEARNING INVESTMENT

Enroll and learn about basic & advanced power system modelling techniques from the industry-renowned expert!

**8,990**

Standard rate

**8,091**

Special rate  
for group of 3+

To enroll, please click this [link](#).

After sending your enrollment request, please expect a reply from us within 24 hours containing the payment process and other reminders.

If you want an **in-house batch** for your group, you may email [learn@meralcopoweracademy.org](mailto:learn@meralcopoweracademy.org).

You may also contact us at +639989747089 if you need further assistance.