

Engineering Services

Power Systems Engineering Arc Flash Analyses



Why Choose an Arc Flash Analysis from SQUARE D Services?

Addresses personal protective equipment recommendations for employees working on your electrical distribution system

Complies with requirements of safety and/or insurance agencies

Promotes electrical safety

Studies are performed by a professional engineer

Contact your Square D sales representative, call Square D at 1-888-778-2733 or visit www.SquareD.com.

Emergency Services Available
24 Hours/Day-7 Days/Week



The Square D Engineering Services team offers arc flash analyses, performed by professional engineers, to identify appropriate levels of Personal Protective Equipment (PPE) for your employees.

According to the requirements outlined in NFPA 70E, PPE is required by employees working on or around energized electrical equipment. The level of protection is determined by “arc flash exposure levels”. Arc flash exposure is related to:

- The *amount of fault current* that could flow at a particular point in the electrical system
- The *time required* for the nearest upstream overcurrent protective device to operate and stop the current flow

Features of an Arc Flash Analysis

- PPE Category recommendations presented in a clear, tabular format

Based on NFPA 70E, *Standard for Electrical Safety Requirements for Employee Workplaces*; and IEEE Standard 1584, *Guide for Performing Arc Flash Hazard Calculations*

- Written report of findings and recommendations
- Optional power equipment labels listing PPE Category recommendations for attachment to existing enclosures
- Optional color-coded single-line diagram showing PPE Category recommendations for posting in electrical rooms
- Optional onsite electrical safety training for your staff



Considerations for an Arc Flash Analysis

- Arc Flash study has not been performed in the past three years
- Short-circuit, protective coordination studies have not been performed in the past five years
- Changes have occurred to the electrical distribution system or electric utility system
- A safety audit is required or the facility's insurance policy is up for renewal
- Modifications or expansions of the electrical distribution system are being considered

Industry Leading Expertise. Customized Solutions.



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