



UPS & Battery Systems: Practical Workshop

Electrical Engineering

QGT-ELE-156 | Practical workshop | 5 or 10 days | Online, classroom, in-house

Course overview

UPS & Battery Systems: Practical Workshop is a hands-on workshop built around exercises and real site problems in UPS & Battery Systems. It covers the principles, the requirements of IEC, IEEE and NFPA 70/70E, and the practical methods used on site, with case studies from operations in the Gulf, Africa and worldwide. Available online, in the classroom in 60 cities, or in-house.

What participants will be able to do

- Explain the principles, terminology and scope of UPS & Battery Systems
- Apply the relevant requirements of IEC, IEEE and NFPA 70/70E
- Use practical tools, checklists and calculations with confidence
- Recognise common problems, risks and root causes and choose the right corrective action
- Prepare an improvement plan for their own site or organisation

Who should attend

Designed for electrical engineers, technicians, supervisors and authorised persons who want practice rather than theory.

Course outline (5 days)

Day 1: Workshop briefing and baseline

Participants bring a real problem from their own site

Day 2: Guided practice 1

Hands-on exercises using templates, checklists and calculators

Day 3: Guided practice 2

Simulations and role-play based on UPS & Battery Systems scenarios

Day 4: Field cases from the Gulf and Africa

Analysing what went wrong and what worked

Day 5: Action plan and peer review

Each participant leaves with a reviewed improvement plan

What the 10-day edition adds

Day 6: Applied project, part 1 – Apply the week-one methods to a case from your organisation

Day 7: Data and digital tools – Software, spreadsheets and digital tools used in practice

Day 8: Lessons from incidents and audits – What investigations and audit findings teach

Day 9: Applied project, part 2 – Complete, test and refine your solution

Day 10: Presentations and final assessment – Present to the group and complete the final assessment

Fees (USD per participant)

Duration	Live online	Classroom	In-house
5 days	\$3,000	\$5,500	On quote
10 days	\$5,500	\$9,900	On quote

Fees include course material and certificate of completion; classroom fees include refreshments and lunch. In-house training is priced per group.

Dates and cities 2027–2030

Dates	City	Format	Duration	Fee
8–12 Mar 2027	Stockholm	Classroom	5 days	\$5,500
7–18 Jun 2027	Geneva	Classroom	10 days	\$9,900
9–13 Aug 2027	Abu Dhabi	Classroom	5 days	\$5,500
18–29 Oct 2027	Cape Town	Classroom	10 days	\$9,900
6–10 Dec 2027	Online (live)	Online (live)	5 days	\$3,000
10–14 Jan 2028	Stockholm	Classroom	5 days	\$5,500
30 Apr – 11 May 2028	Alexandria	Classroom	10 days	\$9,900
8–12 May 2028	Sharjah	Classroom	5 days	\$5,500
18–29 Sep 2028	Accra	Classroom	10 days	\$9,900
25–29 Sep 2028	Online (live)	Online (live)	5 days	\$3,000
21–25 Jan 2029	Sharm El Sheikh	Classroom	5 days	\$5,500
12–23 Feb 2029	Barcelona	Classroom	10 days	\$9,900
16–20 Apr 2029	Tbilisi	Classroom	5 days	\$5,500
19–30 Nov 2029	Accra	Classroom	10 days	\$9,900
3–7 Dec 2029	Online (live)	Online (live)	5 days	\$3,000
3–7 Mar 2030	Kuwait City	Classroom	5 days	\$5,500
18–29 Mar 2030	Dublin	Classroom	10 days	\$9,900
8–12 Jul 2030	Athens	Classroom	5 days	\$5,500
5–16 Aug 2030	Accra	Classroom	10 days	\$9,900
16–20 Sep 2030	Online (live)	Online (live)	5 days	\$3,000

How to register

Register online or scan the code

<https://qimmatrainig.com/courses/ups-and-battery-systems-practical-workshop/>

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