USB Battery Charging Survival Guide

Course Outline

A. Introduction (10 min)
- Risks from USB battery charging: fire and electric shock
- Types of USB chargers and cables
- Best practices to minimize risks during charging

B. USB charger selection for your mobile phone (10 min)
- Identify what your mobile phone needs during charging
- Identifying what your charger can provide during charging
- Matching the charger and mobile phone

C. How to verify the USB charger performance (10 min)
- Using a USB tester to verify charging performance
- What to expect for different types of chargers

Trainer’s Profile

Tay Chuan Beng, Lecturer, School of Engineering

Tay Chuan Beng graduated from the National University of Singapore with a Bachelor of Engineering (1st Class Hons), Master of Engineering and Doctor of Philosophy in Electrical and Electronics Engineering from National University of Singapore.

Tay Chuan Beng has been a full-time lecturer with Ngee Ann Polytechnic since 2014. He is currently serving in the School of Engineering, managing the Specialist Diploma in Electrical Design and Operation programme of the Polytechnic. In terms of continuing education for adult learners, he specializes in Electrical Distribution System Design.