G591e - DCT880 Power Optimizer
Internet Course (EN)

Course Duration

0.75 hours, depending on personnel knowledge.

Course type

This course includes self-study material.
The language of the course is English.

Course Goal

The goal of this course is to understand the Power Optimizer option of the DCT880 thyristor power controller.

The training covers the following topics:
– Basic conditions for use of Power Optimizer
– Control structure and used control mode
– Functionality of power optimization
– Memory unit including power optimizer
– Serial communication with D2D link
– Firmware structure overview
– Commissioning of the Power Optimizer
– Diagnosis

Student Profile

Product engineers and engineering people who are planning, installing and servicing the DCT880 thyristor power controller.

Prerequisites and Recommendations

The student should have:
– Basic knowledge about electrical wiring
– Basic knowledge of drives or power controller engineering
– Physical understanding for electric heating application

Preparation e-Learning courses

E-learning course **G585e - DCT880 Basics,**
G586e - DCT880 Hardware T1 – T4 and
G587e - DCT880 Firmware to attending this course is needed

Course Objectives

Upon completion of this course, students will be able to:
– Know when to use the Power Optimizer option
– Know the functionality of the Power Optimizer
– Know the extended firmware structure of this option
– Commission the Power Optimizer in the DCT880

Main Topics

Basic conditions for power optimizing
Functionality of the Power Optimizer in the DCT880
Extended firmware structure
Commissioning and diagnosis

Power and productivity
for a better world™

ABB