

HCIA-Data Center Facility Design V1.0



Online Course



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Course Modules

Data Center Power Distribution System Planning & Design

1. Overview of Data Center Power Distribution System Planning

- Planning and Design Introduction
- Planning Composition
- Design Composition

Cooling System Load Calculation & Config Soln Scenario-based Traing

2. Cooling System Load Calculatn & Config Soln Scenario-based Traing

- Calculate data center cooling system loads.
- Select data center air conditioner configs & optimize the config
- Undrstd the config & selection principles of a chilled water system
- Optimize a cooling system & understand its simple configurations.

Data Center Cooling System Planning

3. Data Center Cooling System Planning

- Data Center Cooling System Planning Introduction
- Implmntatn of the Data Center Cooling System Planning Process



Energy-Saving Solution Configuratr for Data Center Cooling Systems

4. Energy-Saving Solution Config for Data Center Cooling Systems

- Free Cooling Solution Config for Data Center Air Conditioners
- Continuous Cooling Soln Config for Data Center Air Conditioners
- Configuration Cases for Data Center Air Conditioning Systems

DCIM System Architecture and Functions

5. DCIM System Architecture and Functions

- DCIM Hardware Physical Architecture
- DCIM Logical Architecture and System Functions
- DCIM System Performance and Integration

Data Center UPS System Planning

6. Data Center UPS System Planning

- System Composition
- Planning Preparation
- Planning Method



Solution Analysis for the Data Center Power Distribution System

7. Solution Analysis for the Data Center Power Distribution System

- Typical Solutions
- Solution Application Analysis

Data Center Chilled Water Air Conditioning System Configuration

8. Data Center Chilled Water Air Conditioning System Configuration

- Chilled Water Air Conditioner Planning Overview
- Chilled Water System Configuration
- Cooling Water System Configuration

Load Calculation and Air Conditioner Configuration for Data Center

9. Load Calculation and Air Conditioner Configuratr for Data Center

- Load Introduction and Calculation for Data Center Cooling System
- Air Conditioner Planning & Config for Data Center Cooling System



Data Center Power Distribution Solution Optimization

10. Data Center Power Distribution Solution Optimization

- Operatn modes of differt power distribution solns for data centrs
- Advantages & disadvantages of different power distribution soln
- Optimize the weaknesses of different power distribution solutns

DCIM System Planning Overview

11. DCIM System Planning Overview

- DCIM System Overview
- Relationship Between DCIM, Power and Environment Monitoring
- DCIM Development Trend
- DCIM Planning Process

Data Center Facility Consultation and Planning Guide

12. Data Center Facility Consultation and Planning Guide

- DC Planning Process
- DC Assessment Models
- Site Selection Report
- Feasibility Research





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in terms of time management,
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