Chinastandards.org

ICS 91.140.50
CCS P63

CECS

ASSOCIATION STANDARD OF CHINA ASSOCIATION FOR ENGINEERING CONSTRUCTION STANDARDIZATION

# CECS 163-2004

# Technical specification for application of power saving unit in buildings

建筑用省电装置应用技术规程

(English Translation)

**Issued on: March 5, 2004** **Implemented on: April 1, 2004**

**Issued by: China Association for Engineering Construction Standardization**

Preview: page 1 of 4 shown, 11 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/cecs-163-2004

Chinastandards.org

# Table of Contents

[Preview only]
1 General Provisions
2 Terms and Symbols
2.1 Terms
2.2 Symbols
3 Materials
3.1 General Requirements
3.2 Determination of Estimated Strength of Concrete with Dilled Cores
3.3 Drilled Core Correction Method
4 Major Equipments
4.2 Tension Cable and Anchor
4.3 Load
4.4 Detailing requirements
4.5 Artificial Filling Foundation Treatment by Heavy Tamping
5 Structural Calculation
5.2 Analysis of Initial State of Form
5.3 Analysis of Effects under Loads
5.4 Analysis of Pattern Cutting
5.5 Construction Quality Control and Monitor
5.6 Environmental Protection
6 Processing of Core or Technical Requirements of Specimen
6.2 Connection between Membrane Materials
6.3 Connection between Membrane and Rigid Boundary
6.4 Connection between Membrane and Flexible Boundary
6.5 Painting
7 Test of Core Specimen and Calculation of Compressive Strength
7.2 Inspection items
7.3 Qualification judgment
7.4 Maintenance
8 Erection
8.1 Erection of Steel Members and Tension Cables
8.2 Erection of Membrane Elements



Preview: page 2 of 4 shown, 11 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/cecs-163-2004

8.3 Application of Pretension Force

8.4 Nondestructive Testing of Connection of Structural Steel Casting

8.5 Marking, Storage and Transport

9 Acceptance

## 1 Foreword

CECS 163-2004 was issued by China Association for Engineering Construction Standardization on 5 March 2004 and has been in force since 1 April 2004.

The CECS prefix marks a association standard of the engineering construction sector, adopted voluntarily.

The document runs to 11 pages in English translation.

## 2 Scope Preview

This standard applies to: AC 50Hz, nominal voltage rating of 220/380V, mainly used transformer voltage mode saving devices in all kinds of civil and industrial construction and municipal engineering applications.

CECS 163-2004 falls under ICS 91.140.50, in the field of construction materials and building.

This catalogue holds 144 other CECS standards in that field.

In this catalogue, CECS standards carry edition years from 1988 to 2016.

## 3 About this standard

Sector: Construction Industry Standard

Issued by: China Association for Engineering Construction Standardization

English translation: about 11 pages (approximate)

Chinese original: about 17,127 characters

## 4 Related standards

Standards on related subjects:

GB/T 16895.36-2024 - Low-voltage electrical installations - Part 7-722: Requirements for special installations or locations - Supplies for electric vehicles

GB 50169-2016 - Code for construction and acceptance of grounding connection electric



Preview: page 3 of 4 shown, 11 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/cecs-163-2004

Chinastandards.org

equipment installation engineering

DL/T 5056-2007 - Technical Code of General Plan Design for Substation

## 5 Classification and status

International classification (ICS): 91.140.50

Chinese Standard Classification (CCS): P 63

Prefix CECS: association standard of the engineering construction sector, adopted voluntarily.



Preview: page 4 of 4 shown, 11 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/cecs-163-2004