Chinastandards.org

SY

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

SY/T 7829-2024

Energy efficiency testing and calculation methods for new energy systems in oil and gas field enterprises

(English Translation)

Issued on: December 25, 2024 **Implemented on: June 25, 2025**

Issued by: General Administration of Customs

Preview: page 1 of 3 shown, 15 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/sy-t-7829-2024

Chinastandards.org

Table of Contents

[Preview only]
1 Scope
2 Normative References
3 Terms and Definitions
4 General Principles and Requirements
4.1 General requirements
5 Design Conditions
5.1 Environmental Conditions
5.2 Design Cases
5.3 Vessel Parameters
6 Design Criteria
6.2 Design Life
6.3 SPM Location and Spatial Requirements
7 Design Requirements
7.1 Turret System
7.2 Mooring System
7.3 Mooring Foundation
7.4 Dynamic Risers and Umbilicals
8 Construction and Inspection
8.2 Construction Materials
8.3 Welding
8.4 Quality Control and Inspection
9 Offshore Installation
9.2 Installation of Mooring Foundation
9.3 Laying of Mooring Lines
9.4 Hook-up of Mooring Lines

1 Foreword

SY/T 7829-2024 was issued by General Administration of Customs on 25 December 2024 and has been in force since 25 June 2025.

The SY/T prefix marks a recommended standard. It is not law in itself: it becomes binding

Preview: page 2 of 3 shown, 15 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/sy-t-7829-2024

when a contract names it, when a regulation or a mandatory standard refers to it, or when a producer declares conformity with it.

The document runs to 15 pages in English translation.

2 Scope Preview

SY/T 7829-2024 carries no ICS number and no Chinese Standard Classification code.

This catalogue holds 3,886 other SY/T standards.

Of the 542 SY/T standards that do carry an ICS number, 483 (89%) fall under ICS 75, in the field of petroleum and related technologies.

3 About this standard

Sector: Oil & Gas Industry Standard (Recommended)

Issued by: General Administration of Customs

English translation: about 15 pages (approximate)

4 Related standards

Standards on related subjects:

JB 2293-1978 - Wind tunnel test method of radiator of automobile and tractor

SY/T 5049-2025 - Petroleum drilling and production cquipment - Slips for drilling and well servicing

SY/T 4126-2025 - Construction Specifications for Hydraulic Engineering Protection of Oil and Gas Pipeline Projects

SY/T 4113.14-2025 - Test methods for the performance of pipeline anti-corrosion coatings - Part 14: Insulation resistance test

5 Classification and status

Prefix SY/T: recommended standard.

Preview: page 3 of 3 shown, 15 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/sy-t-7829-2024