

ICS 29.220.10;73.100.99
CCS K82



**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB 48146-2026

**Technical conditions of lithium-ion traction battery applied in
underground mine**

地下矿山用锂离子动力电池技术条件

(English Translation)

Issued on: August 27, 2026

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Standardization Administration of China**

Table of Contents

Foreword

1 Scope

2 Normative references

3 Terms and definitions

Foreword

GB 48146-2026 is a mandatory national standard (GB) of the People's Republic of China, issued on 27 August 2026 by the State Administration for Market Regulation and the Standardization Administration of China, with effect from 1 March 2027.

It is under the responsibility of the National Mine Safety Administration.

Classification: ICS 29.220.10;73.100.99; CCS K82.

1 Scope

Technical conditions for lithium-ion traction batteries used in underground mines are given in this mandatory national standard. Because these batteries power mine vehicles and equipment in confined, hazardous workings, the document matters to battery manufacturers, makers of electric mining vehicles, mine operators and safety regulators who must decide whether a battery product is acceptable for underground use. It was issued on 27 August 2026 under the responsibility of the National Mine Safety Administration and takes effect on 1 March 2027. As a GB standard it is mandatory in China, so products intended for underground mines there need to be assessed against it. Buyers who supply or purchase power systems for mine locomotives, trackless vehicles and similar equipment will find it a useful reference when preparing technical specifications and compliance files. No predecessor document is identified for it in the available data, and readers should consult the full text for its detailed content.