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

GB/T 15579.6-2026

Replacing GB/T 15579.6-2018

Arc welding equipment - Part 6: Limited duty equipment

弧焊设备 第6部分：限制负载的设备

(English Translation)

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References

Foreword

This document complies with the provisions of GB/T 1.1-2020 "Standardization Work Guidelines Part 1: Structure and Drafting Rules of Standardization Documents".

Drafting.

This document is Part 6 of GB/T 15579 "Arc Welding Equipment". GB/T 15579 has already published the following parts.

---Part 1: Welding Power Sources;

---Part 3: Arc initiation and stabilization devices;

---Part 4: Periodic Inspections and Tests;

---Part 5: Wire Feeding Device;

---Part 6: Load-limiting devices;

---Part 7: Welding Torch (Gun);

---Part 8: Gas Circulation Devices for Welding and Plasma Cutting Systems;

---Part 9: Installation and Use;

---Part 10: Electromagnetic Compatibility (EMC) Requirements;

---Part 11: Welding Pliers;

---Part 12: Welding Cable Coupling Devices;

---Part 13: Welding Clamps;

---Part 14: Calibration, Validation and Conformity Testing.

This document supersedes GB/T 15579.6-2018 "Arc Welding Equipment - Part 6: Load Limiting Equipment", and is consistent with GB/T 15579.6-Compared to 2018, aside from structural adjustments and editorial changes, the main technical changes are as follows.

- a) The content related to "isolation between input circuit and welding circuit" has been deleted (see 6.3.2 in the 2018 version);
- b) Added explanation of the indexing sequence number for U1 (see Figure 2);
- c) The test conditions for the temperature measurement method have been changed (see 7.3.1, 2018 version of 7.3.1);
- d) The temperature limits classified by insulation class have been changed (see Table 1, 2018 edition);
- e) The overload experiment has been removed (see 10.4 in the 2018 version);
- g) The requirements for the control loop have been changed (see Chapter 13, Chapter 13 in the 2018 edition);
- h) The principles for the composition of the nameplate have been changed (see Figure 5, Figure 5 in the 2018 version);
- i) Added an example of welding power source symbol (optional) (see 17.3).

This document is modified to adopt IEC 60974-6:2015 "Arc welding equipment - Part 6: Equipment for limiting load".

The technical differences between this document and IEC 60974-6:2015, and the reasons therefor, are as follows.

---Since IEC 60974-1:2012 has been superseded by IEC 60974-1:2021, the references required in this document have been changed.

GB/T 15579.1-2024(IEC 60974-1:2021,IDT);

---Since IEC 60974-5:2013 has been superseded by IEC 60974-5:2019, the references required in this document have been changed.

GB/T 15579.5-2023(IEC 60974-5:2019,IDT);

---Since IEC 60974-7:2013 has been superseded by IEC 60974-7:2019, the references required in this document have been changed.

GB/T 15579.7-2023 (IEC 60974-7:2019, IDT).

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