

CCS U 37



**NATIONAL STANDARD OF THE
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Small craft - Electric propulsion system

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Foreword

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

The translation method used in this document is equivalent to ISO 16315.2016 "Electric Propulsion System for Small Boats".

The Chinese documents that have consistent correspondence with the normatively cited international documents in this document are as follows.

---GB/T 755-2019 Rotating electric machine rating and performance (IEC 60034-1.2017, IDT)

---GB/T 997-2008 Classification of structure type, installation type and junction box position of rotating electrical machine (IM code) (IEC 60034-7.

2001, IDT)

---GB/T 1971-2006 Rotating motor wire end marking and direction of rotation (IEC 60034-8.2002, IDT)

---GB/T 1993-1993 Rotating electric machine cooling method (eqvIEC 34-6.1991)

---GB 3836.1-2010 Explosive atmosphere Part 1. General requirements for equipment (IEC 60079-0.2007, MOD)

---GB 3836.2-2010 Explosive atmosphere Part 2. Equipment protected by flameproof enclosure "d" (IEC 60079-1.2007, MOD)

---GB 3836.3-2010 Explosive atmosphere Part 3. Equipment protected by increased safety "e" (IEC 60079-7.2006, IDT)

---GB 3836.4-2010 Explosive atmosphere Part 4. Equipment protected by intrinsically safe "i" (IEC 60079-11.

2006, MOD)

---GB/T 3836.5-2017 Explosive atmosphere Part 5.Equipment protected by a positive pressure enclosure "p" (IEC 60079-2.

2007, MOD)

---GB/T 3836.6-2017 Explosive atmosphere Part 6.Equipment protected by liquid immersion type "o" (IEC 60079-6.2015,

MOD)

---GB/T 3836.7-2017 Explosive atmosphere Part 7.Equipment protected by sand-filled type "q" (IEC 60079-5.2015,

MOD)

---GB 3836.8-2014 Explosive atmosphere Part 8.Equipment protected by "n" type (IEC 60079-15.2010, MOD)

---GB 3836.9-2014 Explosive atmosphere Part 9.Equipment protected by encapsulated type "m" (IEC 60079-18.2009,

MOD)

---GB/T 3836.11-2017 Explosive environment Part 11.Gas and vapor substance characteristics classification test methods and data

According to (IEC 60079-20-1.2010, IDT)

---GB/T 3836.12-2019 Explosive atmosphere Part 12.Test method for characteristics of combustible dust (ISO /IEC 80079-20-2.

2016, IDT)

---GB 3836.13-2013 Explosive atmosphere part 13.equipment repair, overhaul, repair and transformation (IEC 60079-19.

2010, MOD)

---GB/T 3836.15-2017 Explosive atmosphere Part 15.Design, selection and installation of electrical devices (IEC 60079-14.2007,

MOD)

---GB/T 3836.16-2017 Explosive atmosphere Part 16.Inspection and maintenance of electrical installations (IEC 60079-17.

2007, IDT)

---GB/T 3836.17-2019 Explosive atmosphere Part 17.Protected by positive pressure room "p" and artificial ventilation room "v"

Equipment (IEC 60079-13.2017, MOD)

---GB 3836.18-2017 Explosive Atmosphere Part 18.Intrinsic Safety System (IEC 60079-25.2010, IDT)

---GB 3836.19-2010 Explosive Atmosphere Part 19.Fieldbus Intrinsic Safety Concept (FISCO) (IEC 60079-27.2008, IDT)

---GB 3836.20-2010 Explosive atmosphere Part 20.Equipment with equipment protection level (EPL) as Ga (IEC 60079-26.2006, IDT)

---GB/T 3836.21-2017 Explosive environment Part 21.Application of equipment production quality system (ISO /IEC 80079-34. 2011, MOD)

---GB/T 3836.24-2017 Explosive atmosphere Part 24.Equipment protected by special type "s" (IEC 60079-33. 2012, MOD)

---GB/T 3836.25-2019 Explosive atmosphere Part 25.Process density between flammable process fluid and electrical system

Sealing requirements (IEC TS60079-40.2015, MOD)

---GB/T 3836.26-2019 Explosive atmosphere Part 26.Guidelines for electrostatic hazards (IEC TS60079-32-1.2013, MOD)

---GB/T 3836.27-2019 Explosive atmosphere part 27.electrostatic hazard test (IEC 60079-32-2.2015, MOD)

---GB/T 4772.1-1999 Rotating electrical machine size and output power level Part 1.Frame size 56~400 and flange number 55~1080(IEC 72-1.1991,IDT)

---GB/T 4942.1-2006 Degree of protection of the overall structure of rotating electrical machines (IP code)-Classification (IEC 60034-5..2000, IDT)

---GB/T 7357-2010 Ship electrical equipment system design protection (IEC 60092-202.1994, MOD)