



DPC: 23 / 30459625 DC

BSI Group Headquarters

389 Chiswick High Road London W4 4AL

Tel: +44 (0)20 8996 9000

Fax: +44 (0)20 8996 7400

www.bsigroup.com

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Responsible committee: JPEL/18 Electrical installations of ships and of mobile and fixed offshore units

Interested committees:

Title: BS IEC 63462-1 Maritime battery system

Part 1: Secondary lithium cells and batteries - Safety requirements

Please notify the secretary if you are aware of any keywords that might assist in classifying or identifying the standard or if the content of this standard

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- iii) requires additional national guidance or information

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Responsible Committee Secretary: **Mr Michael Peace (IET) (BSI)**
Direct tel: **01438 765566**
E-mail: **michaelpeace@theiet.org**

Introduction

This draft standard is based on national and international discussions. Your comments on this draft are invited and will assist in the preparation of the consequent standard.

For international standards, comments will be reviewed by the relevant UK national committee before sending the consensus UK vote and comments to the international committee, which will then decide appropriate action. If the international standard is approved, it is usual for the text to be published as a British Standard.

For national standards, comments will be reviewed by the relevant UK national committee and the resulting standards published as a British Standard.

UK Vote

Please indicate whether you consider the UK should submit a negative (with supporting technical reasons) or positive vote on this draft. Please indicate if you are aware of any reason why this draft standard should not be published as a British Standard.

Submission of Comments

- **Annotated drafts are not acceptable and will be rejected.**
- All comments should be submitted online at <https://standardsdevelopment.bsigroup.com/>. You will need to register in order to comment.

Template for comments and secretariat observations

Date: xx/xx/20xx	Document: ISO/DIS xxxx
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1	2	(3)	4	5	(6)	7
MB	Clause No./ Subclause No./Annex (e.g. 3.1)	Paragraph/Figure/ Table/Note	Type of comment	Commend (justification for change) by the MB	Proposed change by the MB	Secretariat observations on each comment submitted
	3.1	Definition 1	ed	Definition is ambiguous and needs clarifying.	Amend to read '...so that the mains connector to which no connection...'	
	6.4	Paragraph 2	te	The use of the UV photometer as an alternative cannot be supported as serious problems have been encountered in its use in the UK.	Delete reference to UV photometer.	



18/1848/CD

COMMITTEE DRAFT (CD)

PROJECT NUMBER:
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DATE OF CIRCULATION:
2023-07-07

CLOSING DATE FOR COMMENTS:
2023-10-27

SUPERSEDES DOCUMENTS:
18/1773/NP, 18/1781B/RVN

IEC TC 18 : ELECTRICAL INSTALLATIONS OF SHIPS AND OF MOBILE AND FIXED OFFSHORE UNITS	
SECRETARIAT: Norway	SECRETARY: Mr Arild Røed
OF INTEREST TO THE FOLLOWING COMMITTEES: SC 18A,TC 21,SC 21A,TC 105,TC 120	PROPOSED HORIZONTAL STANDARD: ☐ Other TC/SCs are requested to indicate their interest, if any, in this CD to the secretary.
FUNCTIONS CONCERNED: ☐ EMC ☐ ENVIRONMENT ☐ QUALITY ASSURANCE ☒ SAFETY	

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TITLE:

Maritime battery system – Part 1: Secondary lithium cells and batteries – Safety requirements

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CONTENTS

1		
2	FOREWORD.....	3
3	INTRODUCTION.....	5
4	1 Scope.....	6
5	2 Normative references	6
6	3 Terms and definitions	7
7	4 Parameter measurement tolerances	8
8	5 General safety considerations	8
9	5.1 General.....	8
10	5.2 Insulation, cables and wiring	9
11	5.3 Venting	9
12	5.4 Temperature/voltage/current management	10
13	5.101 Safety description and risk assessment (SDRA).....	10
14	5.102 Earth fault isolation	11
15	6 Type test conditions	11
16	7 Specific requirements and tests	12
17	7.1 Charging procedures for test purposes	12
18	7.2 Reasonably foreseeable misuse.....	12
19	7.3 Considerations for internal short-circuit – Design evaluation	13
20	7.3.1 General	13
21	7.3.2 Internal short-circuit test (cell)	13
22	7.3.3 Propagation test (battery system)	13
23	7.101 Insulation resistance test	14
24	7.102 Dielectric strength test	14
25	8 Battery system safety (considering functional safety).....	14
26	8.1 General requirements	14
27	8.2 Battery management system (or battery management unit)	15
28	8.2.1 Requirements for the BMS.....	15
29	8.2.2 Overcharge control of voltage (battery system)	15
30	8.2.3 Overcharge control of current (battery system)	15
31	9 EMC	15
32	10 Information for safety.....	15
33	11 Marking and designation.....	15
34	12 Packaging and transport.....	16
35	ANNEX A (Normative) Operation region of cells for safe use	17
36	ANNEX B (Informative) Procedure of propagation test by laser irradiation	17
37	ANNEX C (Informative) Procedure of propagation test by other methods than the laser	17
38	ANNEX AA (Informative) General electrical safety considerations	18
39	A.1 Introduction.....	18
40	A.2 Definition	18
41	A.3 General safety considerations.....	19
42	A.4 Additional tests	19
43	A.4.1 General	19
44	A.4.2 Test.....	19
45		
46	Table 1 – Sample size for type test	12

INTERNATIONAL ELECTROTECHNICAL COMMISSION

MARITIME BATTERY SYSTEMS –

Part 1: Secondary lithium cells and batteries – Safety requirements

FOREWORD

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IEC 63462-1 has been prepared by IEC technical committee 18: Electrical installations of ships and of mobile and fixed offshore units. It is an International Standard.

This is the first edition.

The text of this International Standard is based on the following documents:

Draft	Report on voting
XX/XX/FDIS	XX/XX/RVD

Full information on the voting for its approval can be found in the report on voting indicated in the above table.

The language used for the development of this International Standard is English.

99 This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in
100 accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available
101 at www.iec.ch/members_experts/refdocs. The main document types developed by IEC are
102 described in greater detail at www.iec.ch/publications.

103 The committee has decided that the contents of this document will remain unchanged until the
104 stability date indicated on the IEC website under webstore.iec.ch in the data related to the
105 specific document. At this date, the document will be

- 106 • reconfirmed,
- 107 • withdrawn,
- 108 • replaced by a revised edition, or
- 109 • amended.

110

INTRODUCTION

111 The intention of this document is to provide minimum safety requirements for maritime battery
112 systems to comply with authority requirements. This document alone may not include sufficient
113 requirements but is intended to serve as a basis which can be used by stake holders, such as
114 industry, national authorities and classification societies.

115 For the preparation of this document, it is considered that the IEC 62619:2022 contains the
116 necessary basic requirements for lithium-ion battery systems and that supplementary
117 requirements for maritime application are necessary.

118 This document constitutes an assessment of IEC 62619 to whether each requirement is suitable
119 for maritime applications. Where IEC 62619:2022 is found insufficient, this document suggests
120 additional or modified requirements.

121