

BUREAU OF INDIAN STANDARDS

Program of Work

ETD 52 : Electrical Energy Storage Systems

Scope: 1) Standardization in the field of grid integrated Electrical Energy Storage Systems. a) The Sectional Committee to focus on system aspects on EES Systems rather than energy storage devices and shall prepare Indian Standards dealing with the system aspects of electrical energy storage. 2) EES to include any type of grid-connected energy storages, which can both store electrical energy from a grid or any other source and provide electrical energy to a grid. a) The Sectional Committee to include Chemical ES as one of the ESS. b) Thermal storage to be included in the scope, only from the electricity exchange point of view. c) Unidirectional energy storages such as UPS not to be included in the scope of the sectional Committee.

Liaison: **IEC TC-120 (P):** *Electrical Energy Storage (EES) systems*

Published Standards

S.No	IS No.	TITLE	Reaffirm M-Y	No. of Amds	Eqv.
1	IS 17067 (Part 1):2018 IEC 62933-1 : 2018 IEC 62933-1 : 2018	Electrical energy storage systems: Part 1 vocabulary		-	Identical under dual numbering
2	IS 17067 (Part 2/Sec 1):2019 IEC 62933-2-1 : 2017 IEC 62933-2-1 : 2017	Electrical Energy Storage (EES) Systems Part 2 Unit Parameters and Testing Methods Section 1 General specification		-	Identical under dual numbering
3	IS 17067 (Part 2/Sec 2):2025 IEC 62933-2-2: 2022 IEC 62933-2-2: 2022	Electrical Energy Storage EES Systems Part 2 Unit Parameters and Testing Methods Section 2 Application and Performance Testing		-	Identical under dual numbering
4	IS 17067 (Part 4/Sec 1):2019 IEC 62933-4-1 : 2017 IEC 62933-4-1 : 2017	Electrical Energy Storage (EES) Systems Part 4 Guidance on Environmental Issues Section 1 General specification		-	Identical under dual numbering
5	IS 17067 (Part 5/Sec 2):2021 IEC TS 62933-5-2:201 IEC TS 62933-5-2:201	Electrical energy storage EES systems Part 5 Safety requirements for grid integrated EES systems Section 2 electrochemical based systems		-	Identical under dual numbering
6	IS 17092:2019	Electrical energy storage systems: safety requirements		-	Indigenous

7	IS 17387:2020	General Safety and Performance Requirements of Battery Management Systems		-	Indigenous
8	IS 19143 (Part 3/Sec 1):2025 IEC 62933-3-1: 2018 IEC 62933-3-1: 2018	Electrical energy storage EES systems Part 3 Planning and performance assessment of electrical energy storage systems Section 1 General specification		-	Identical under dual numbering
9	IS 19143 (Part 4/Sec 4):2025 IEC 62933-4-4: 2023 IEC 62933-4-4: 2023	Electrical energy storage EES systems Part 4 Environmental requirements Section 4 battery based energy storage systems BESS with reused batteries		-	Identical under dual numbering

Standards under Development

Projects Approved		
SI. No.	Doc No.	Title
No Records Found		

Preliminary Draft Standards		
SI. No.	Doc No.	Title
No Records Found		

Drafts Standards in WC Stage		
SI. No.	Doc No.	Title
No Records Found		

Draft Standards Completed WC Stage		
SI. No.	Doc No.	Title
No Records Found		

Finalized Draft Indian Standard		
SI. No.	Doc No.	Title
No Records Found		

Finalized Draft Indian Standards under Print		
SI. No.	Doc No.	Title
No Records Found		

Total Published Standards:6 Total Standards Under development:0		
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Aspect Wise Report

Product : 2

Code of Practices : 1

Methods of Test : 2

Terminology : 1

Dimensions : 0

System Standard : 1
Safety Standard : 2
Others : 0
Service Specification : 0
Process Specification : 0
Unclassified : 0

Annexure-I :List of Indian Standards Withdrawn/Superseded
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SI. No.	IS No. & Year	Title
No Records Found		

Annexure-II :List of Indian Product Standards
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SI. No.	IS No. & Year	Title
1	IS 19143 (Part 3/Sec 1):2025 IEC 62933-3-1: 2018	Electrical energy storage EES systems Part 3 Planning and performance assessment of electrical energy storage systems Section 1 General specification
2	IS 19143 (Part 4/Sec 4):2025 IEC 62933-4-4: 2023	Electrical energy storage EES systems Part 4 Environmental requirements Section 4 battery based energy storage systems BESS with reused batteries