

BUREAU OF INDIAN STANDARDS

Registration Department

Our Ref: IS 16270

26 March 2025

Subject: Guidelines for implementation of IS 16270: 2023 (Secondary cells and batteries for solar photovoltaic application - General requirements and methods of test)

General:

1. Ministry of New and Renewable Energy has notified the “Solar Systems, Devices and Components Goods Order, 2025” which supersedes the Solar Photovoltaics, Systems, Devices and Components Goods (Requirements for Compulsory Registration) Order, 2017.
2. Solar Systems, Devices and Components Goods Order, 2025 has notified revised standard on Secondary cells and batteries for solar photovoltaic application - General requirements as follows:

Sl No	Existing Standard	Revised Standard
i.	IS 16270: 2014 Secondary cells and batteries for solar photovoltaic application - General requirements and methods of test	IS 16270: 2023 Secondary cells and batteries for solar photovoltaic application - General requirements and methods of test

3. The significant changes brought through this revision as listed below is given for the purpose of general guidance.
 - (a) Maximum Charge Current: I_{10} A (4.3.3 a)
 - (b) Inclusion of Lithium Battery Type and other electro chemistries in Table 1 and 2.
 - (c) Inclusion of standards for Lithium Cells and Batteries (7.2)
 - (d) Inclusion of long duration capacity C_{120} (8.1)
 - (e) Inclusion of capacity requirement of rated capacity (8.1.1)
4. The guidelines for implementation of the revised standard is as follows:

A. For existing licensees:

- (i) All existing licensees shall implement the revised standard by the date of

implementation of Solar Systems, Devices and Components Goods Order, 2025.

- (ii) Existing licensees shall ensure conformance to IS 16270: 2023 through submission of complete test Report(s) issued by third party laboratory for all lead model(s) from existing scope of licence which had been previously tested as per IS 16270: 2014.
- (iii) Further, the licencees shall provide an undertaking stating that requirements of IS 16270: 2023 have been implemented in other existing series model(s) which are in the scope of the licence.
- (iv) If the licensee fails to complete all actions by the last date of implementation of Solar Systems, Devices and Components Goods Order, 2025, cancellation of the licence/ deletion of model from scope of the licence to be initiated.

B. For New Applicants:

- (i) Applications which are recorded henceforth may be processed with or without revision. Processing of Applications without revision shall be permitted only up to 27 July 2025. For such cases, the applicant shall give a declaration that they will implement the revised Indian Standard by the last date of implementation of the Solar Systems, Devices and Components Goods Order, 2025.
- (ii) Beyond 27 July 2025, no licence shall be granted as per old Standard.

C. For Change in Scope of Licence

- (i) For change in scope of licence, the relevant provisions as given above for Applicants shall apply.
- (ii) However, processing of requests for change in scope of licence as per old Standard shall be permitted only upto 27 July 2025. For such cases, the applicant shall give a declaration that they will implement the revised Indian Standard by the last date of implementation of the Solar Systems, Devices and Components Goods Order, 2025.

5. The above guidelines shall come into force with immediate effect.

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