

Indian Standards on Renewable Energy notified by BIS

Solar Photovoltaics Systems and Components

Sl. No.	Product	Indian Standard Number	Title of Indian Standard
1.	Crystalline Silicon Terrestrial Photovoltaic (PV) Modules (Si wafer based)	IS 14286 : 2010	Crystalline Silicon Terrestrial Photovoltaic (PV) Modules - Design Qualification and Type Approval
2.	Thin-Film Terrestrial Photovoltaic (PV) Modules (a-Si, CiGs and CdTe)	IS 16077 : 2013	Thin-Film Terrestrial Photovoltaic (PV) Modules - Design Qualification and Type Approval
3.	PV Module (Si wafer and Thin film)	IS/IEC 61730 (Part 1) : 2004	Photovoltaic (PV) Module Safety Qualification Part 1 Requirements for Construction
		IS/IEC 61730 (Part 2) : 2004	Photovoltaic (PV) Module Safety Qualification Part 2 Requirements for Testing
4.	Power Inverter for use in photovoltaic power system	IS 16221 (Part 2) :2015	Safety of Power Converters for Use in Photovoltaic Power Systems Part 2- Particular Requirements for Inverters.
5.	Utility -Interconnected Photovoltaic inverters with islanding prevention measures	IS 16169: 2014	Test Procedure of Islanding Prevention Measures for Utility-Interconnected Photovoltaic Inverters
6.	Storage battery	IS 16270	Secondary Cells and Batteries for Solar Photovoltaic Application General-Requirements and Methods of Test

Solar Thermal Systems

S. No	Product	Indian Standard Number	Title of Indian Standard
1	Solar Flat Plate Collector	IS 12933(Part1):2003	Solar Flat Plate Collector - Specification Part 1 Requirements (Second Revision)
		IS 12933(Part 2):2003	Solar Flat Plate Collector - Specification Part 2 Components (Second Revision)

		IS 12933(Part 3):2003	Solar Flat Plate Collector - Specification Part 3 Measuring Instruments (First Revision)
		IS 12933(Part 5):2003	Solar Flat Plate Collector - Specification Part 5 Test Methods (Second Revision)
		IS 16368: 2015	Test Procedure for Thermosiphon Type Domestic Solar Hot Water Heating System
2	All Glass Evacuated Tubes Solar Collector	IS 16542 : 2016	Direct Insertion Type Storage Water Tank for All Glass Evacuated Tubes Solar Collector – Specification
		IS 16543 : 2016	All Glass Evacuated Solar Collector Tubes – Specification
		IS 16544 : 2016	All Glass Evacuated Tubes Solar Water Heating System
3	Concentrated Solar Thermal	IS 16648 (Part 1) :2017	Concentrated Solar Thermal - Specification Part 3 Parabolic Through Concentrator
		IS 16648 (Part 2) :2017	Concentrated Solar Thermal - Specification Part 2 Scheffler Concentrator
		IS16648(Part 3):2017	Concentrated Solar Thermal - Specification Part 3 Parabolic Trough Concentrator
		IS16648 (Part 4) :2017	Concentrated Solar Thermal Specification Part 4 Non-Imaging Concentrator
		IS16648(Part 5):2017	Concentrated Solar Thermal - Specification Part 5 Test Methods