

BUREAU OF INDIAN STANDARDS

Program of Work

ETD 28: Solar Photovoltaic Energy Systems

Scope: To prepare standards for systems of photovoltaic conversion of solar energy into electrical

energy and for all the elements in the entire photovoltaic energy systems In this context, the concept photovoltaic energy systems includes the entire field from light input to solar cell and

including the interface with the electrical system(s) to which energy is supplied

Liaison: **IEC TC-82 (P):** Solar photovoltaic energy systems

Published Standards

S.No	IS No.	TITLE	Reaffirm M-Y	No. of Amds	Eqv.
1	IS 12762 (Part 1):	Photovoltaic Devices Part 1		-	Identical under dual
	2024	Measurement of Photovoltaic			numbering
	IEC 60904-1:2020	Current-Voltage Characteristics (
	IEC 60904-1:2020	Second Revision)			
2	IS 12762 (Part 1/Sec	Photovoltaic Devices Part 1		-	Identical under dual
	1): 2020	Measurement of Current-Voltage			numbering
	IEC 60904-1-1:	Characteristics Section 1 Multi-			
	2017	junction PV devices			
	IEC 60904-1-1:				
	2017				
3	IS 12762 (Part 1/Sec	Photovoltaic Devices Part 1		-	Identical under dual
	2): 2020	Measurement of Current-voltage			numbering
	IEC TS 60904-1-2:	Characteristics Section 2 Bifacial			
	2019	photovoltaic (PV) devices			
	IEC TS	_			
	60904-1-2:2019				
4	IS 12762 (Part 2):	Photovoltaic devices: Part 2	-	-	Identical under dual
	2018	Requirements for photovoltaic			numbering
	IEC 60904-2:2015	reference devices (Second			
	60904-2 : 2015	Revision)			
5	IS 12762 (Part 3):	Photovoltaic Devices Part 3	-	-	Identical under dual
	2020	Measurement Principles for			numbering
	IEC 60904-3: 2019	Terrestrial Photovoltaic PV Solar			
	IEC 60904-3:2019	Devices with Reference Spectral			
		Irradiance Data (Third Revision)			
6	IS 12762 (Part 4):	Photovoltaic devices: Part 4		-	Identical under dual
	2014	reference solar devices -			numbering
	IEC 60904-4: 2009	Procedures for establishing			
	Reviewed In: 2019	calibration traceability			
	IEC 60904-4:2019				
7	IS 12762 (Part 4):	Photovoltaic Devices Part 4		-	Identical under dual
	2024	Photovoltaic Reference Devices -			numbering
	IEC 60904-4:2019	Procedures for Establishing			

	IEC 60904-4:2019	Calibration Traceability (First			
	70.10-10.7	Revision)			
8	IS 12762 (Part 5):	Photovoltaic devices: Part 5		1	Identical under dual
		determination of the equivalent cell			numbering
		temperature (ECT) of photovoltaic			
	Reviewed In : 2019	(PV) devices by the open - Circuit			
9	IEC 60904-5 : 2011	voltage method (First Revision) Photovoltaic Devices Part 7:			Identical under dual
9	IS 12762 (Part 7): 2023			-	
	IEC 60904-7 : 2019	Computation of the Spectral Mismatch Correction For			numbering
	IEC 60904-7 : 2019	Measurements of Photovoltaic			
	IEC 00904-7.2019	Devices (First Revision)			
10	IS 12762 (Part 8):	Photovoltaic devices: Part 8			Identical under dual
10	2018	measurement of spectral	_		numbering
		responsivity of a photovoltaic (PV)			nameering
	IEC 60904-8 : 2014	device (First Revision)			
11	IS 12762 (Part 8/Sec	Photovoltaic Devices Part 8		-	Identical under dual
	1):2020	Measurement of Spectral			numbering
	IEC 60904-8-1 :	Responsivity of a Photovoltaic (
	2017	PV) Device Section 1 Multi-			
	IEC 60904-8-1:	junction (PV) devices			
	2017				
12	IS 12762 (Part 9):	Photovoltaic Devices Part 9:		-	Identical under dual
	2023	Classification of Solar Simulator			numbering
	IEC 60904-9 : 2020	Characteristicses (First Revision)			
	IEC 60904-9: 2020				
13	IS 12762 (Part 10):	Photovoltaic Devices Part 10:		-	Identical under dual
	2023	Methods of Linear Dependence			numbering
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	IEC 60904-10:	(Second Revision)			
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14	IS 12762 (Part 13):	Photovoltaic Devices Part 13		-	Identical under dual
	2020	Electroluminescence of			numbering
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	60904-13:2018				
15	IS 12762 (Part 14):	Photovoltaic devices Part 14:		_	Identical under dual
	2023	Guidelines for production line			numbering
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	2020	PV module maximum power			
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	2020	test conditions			
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	IEC 60891:2021	Corrections to Measured I-V			
		Characteristics (Second Revision)			
17		Solar Photovoltaic Energy Systems		-	Identical under dual
	IEC TS 61836 : 2016	,			numbering
	IEC TS 61836:	(Second Revision)			
10	2016)/ 1 0010)
18	IS 14153 : 1994	Guide for general description of	March, 2019	-	Modified/Technically
	Reviewed In: 2019	photovoltaic (PV) power			Equivalent
	82 (CentralOffice)	generating system			
10	19 Guide IS 14286 : 2010	Cwystelline silicen termestriel	March 2020		Identical under dual
19	61215	Crystalline silicon terrestrial photovoltaic (PV) modules -	March, 2020	_	numbering
	Reviewed In : 2020	Design qualification and type			numbering
	IEC 61215 : 2005	approval (First Revision)			
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18 14286 (Part 1/Sec 3) : 2023 IEC 61215-1-3:2021 IEC 61215-1-4:2021 IEC 61215-1-4:2021 IEC 61215-1-4:2021 IEC 61215-1-2021 IEC 61215-2:2021 IEC 61215-2:2021 IEC 61215-2:2021 IEC 61345:1998 Reviewed In : 2018 IEC 61345:1998 Reviewed In : 2020 IEC 61345:1998 Reviewed In : 2020 IEC 62116: 2014 IEC 62116:
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I	IEC 61853-3 : 2018	(PV) Modules (First Revision)		1	
32	IS 16170 (Part 4):	Photovoltaic (PV) Module		-	Identical under dual
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33		Safety of Power Converters for use		-	Identical under dual
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34	IS 16221 (Part 2):	Safety of power converters for use	August, 2020	-	Identical under dual
	2015	in photovoltaic power systems: Part	_		numbering
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35	IS 16221 (Part 3):	Safety of Power Converters for		-	Identical under dual
		Use in Photovoltaic Power Systems			numbering
		Part 3: Particular Requirements for			
	IEC 62109-3 : 2020	Electronic Devices in Combination			
		with Photovoltaic Elements			
36	IS 16228 : 2019	Concentrator Photovoltaic (CPV)		-	Identical under dual
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37	IS 16228 : 2024	Concentrator Photovoltaic (CPV)		-	Identical under dual
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20	IC 16220 - 2024	(Second Revision)			Identical ander dual
38	IS 16229 : 2024 IEC 62093:2022	Photovoltaic System Power		-	Identical under dual
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39	IS 16230 : 2017	Photovoltaic (PV) Stand-Alone		_	Identical under dual
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40	IS 16476 (Part 1):	LED Based Solar Lantern Part 1	April, 2022	1	Indigenous
	2017	Specification	F ,		
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41	IS 16476 (Part 2):	Led based solar lantern: Part 2		-	Modified/Technically
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	m IEC/TS				
	62257-9-5 (2013)				
42		Photovoltaic concentrators (CPV) -		-	Identical under dual
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43		Photovoltaic concentrators (CPV) -		-	Identical under dual
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15	IEC 62670-3:2017	power rating			Identical and a dead
45	IS 16663 : 2018	Photovoltaic systems -		-	Identical under dual
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46	IS 16664 : 2018	Photovoltaic (PV) Modules-		1	Identical under dual
	IEC 62716 : 2013	Ammonia Corrosion Testing			numbering
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47	IS 16781 : 2018	Connectors for d.c. Application in	August, 2023	1	Identical under dual
	IEC 62852 : 2014	Photovoltaic Systems Safety			numbering
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	IEC 62852 : 2014	-			
48	IS 16782 : 2023	Utility-Interconnected Photovoltaic		-	Identical under dual
	IEC TS 62910 : 2020	Inverters Test Procedure for Under			numbering
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	2015	Measurements (First Revision)			
49	IS 16792 (Part 5/Sec	Measurement Procedures For		-	Identical under dual
	1): 2023	Materials Used In Photovoltaic			numbering
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	2020	1 Suggested Test Methods For Use			
	IEC 62788-5-1:	With Edge Seal Materials			
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50	IS 16792 (Part 1/Sec			-	Identical under dual
	2): 2018	Materials Used in Photovoltaic			numbering
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51	IS 16792 (Part 1/Sec			=	Identical under dual
	4): 2023	Materials Used in Photovoltaic			numbering
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	IEC 62788-1-4:	Transmittance and Calculation of			
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		Transmittance Yellowness Index			
		and UV Cut-Off Wavelength (First			
	70.15-00.5-	Revision)			
52	IS 16792 (Part 1/Sec			-	Identical under dual
	5): 2020	Measurement Procedures for			numbering
	IEC 62788-1-5:	Materials Used in Photovoltaic			
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		encapsulation material resulting			
52	IS 16792 (Part 1/Sec	from applied thermal conditions Measurement Procedures for			Identical under dual
53		Measurement Procedures for Materials Used in Photovoltaic		-	
	6) : 2023 IEC 62788-1-6:				numbering
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	2017	Determining the Degree of Cure in			
	2017	Ethylene-Vinyl Acetate (First Revision)			
54	IS 16792 (Part 1/Sec	, , , , , , , , , , , , , , , , , , ,		+	Identical under dual
54	7): 2023	Materials Used in Photovoltaic		_	numbering
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55	IS 16792 (Part 2):	Measurement Procedures for		<u> </u>	Identical under dual
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56	IS 16792 (Part 5/Sec			-	Identical under dual
	2): 2022	Materials Used in Photovoltaic			numbering
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57	IS 16792 (Part 6/Sec	Measurement Procedures for		=	Identical under dual
	2): 2023	Materials Used In Photovoltaic			numbering
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	IEC 62788-6-2:	Polymeric Materials			
	2020	, and the second			
58	IS 16792 (Part 7/Sec	Measurement Procedures for		-	Identical under dual
	2):2020	Materials Used in Photovoltaic			numbering
	IES TS 62788-7-2 :	Modules Part 7 Environmental			
	2017	Exposures Section 2 Accelerated			
	IEC62788-7-2:2017	1			
	1202700 7 2.2017	materials			
59	IS 16797 : 2019	Battery charge controllers for			Identical under dual
5)	IEC 62509 : 2010	photovoltaic systems -			numbering
	IEC 62509:2010	Performance and functioning			numbering
60	IS 16798 : 2018	Photovoltaic inverters - Data sheet			Identical under dual
00	IEC 62894 : 2014	and name plate		-	numbering
	IEC 62894 : 2014	and name plate			numbering
61	IS 16911 : 2023	Junction Boxes for Photovoltaic			Identical under dual
61				-	
	IEC 62790: 2020	Modules Safety Requirements and			numbering
(0	62790: 2020	Tests (First Revision)		1	T1 2 1 1 1 1
62	IS 16960 (Part 1):	Photovoltaic (PV) systems -		1	Identical under dual
	2018	Requirements for testing,			numbering
	IEC 62446-1 : 2016	documentation and maintenance:			
	IEC 62446-1 : 2016	,			
		Documentation, commissioning			
		tests and inspection			
63	IS 16960 (Part 2):	Photovoltaic PV Systems		-	Identical under dual
	2023	Requirements for Testing			numbering
	IEC 62446-2: 2020	Documentation and Maintenance			
	IEC 62446-2: 2020	Part 2: Grid Connected Systems			
		Maintenance of PV Systems			
64	IS 16960 (Part 3):	Photovoltaic (PV) Systems -		-	Identical under dual
	2020	Requirements for Testing,			numbering
	IEC 62446-3:2017	Documentation and Maintenance			
	IEC 62446-3:2017	Part 3 Photovoltaic Modules and			
	1	Plants Outdoor Infrared			
		Thermography			
65	IS 17210 (Part 1):	Photovoltaic (PV) Modules - Test		-	Identical under dual
	2019	Methods for the Detection of			numbering
	IEC TS 62804-1:	Potential-Induced Degradation Part			-
	2015	1 Crystalline Silicon			
	IEC 62804-1:2015				
66	IS 17956 : 2023	Extended Thermal Cycling of PV		-	Identical under dual
	IEC 62892 : 2019	Modules Test Procedure			numbering
	IEC 62892 : 2019				
67	IS 17959 : 2023	Guidelines for Qualifying PV		-	Identical under dual
	IEC TS 63126: 2020				numbering
	IEC TS 63126: 2020	<u> -</u>			
		Temperatures			
68	IS 17963 : 2024	Managing Fire Risk Related to		_	Identical under dual
		I	I		

I	IEC TR 63226: 2021	Photovoltaic (PV) Systems on		numbering
	IEC TR 63226: 2021	Buildings		
69	IS 17977 : 2023	Derisking Photovoltaic Modules	-	Identical under dual
	IEC TR 63279: 2020	=		numbering
	IEC TR 63279:	Accelerated Stress Testing		
70	2020 IS 17978 : 2022	Lightning and Surge Voltage	_	Identical under dual
'	IEC TR 63227 :	Protection for Photovoltaic (PV)		numbering
	2020	Power Supply Systems (First		C
	IEC TR 63227:	Revision)		
71	2020 IS 17979 : 2022	Photovoltaic Power Systems		Identical under dual
/ 1	IEC TS 63019: 2019		-	numbering
	IEC TS 63019: 2019	· · · · · · · · · · · · · · · · · · ·		6
72	IS 17980 : 2022	Maximum Power Point Tracking	-	Identical under dual
	IEC 62891 : 2020	Efficiency of Grid Connected		numbering
	IEC 62891 : 2020	Photovoltaic Inverters (First Revision)		
73	IS 17995 : 2022	Incompatibility of Connectors for	-	Identical under dual
	IEC TR 63225:	DC - Application in Photovoltaic		numbering
	2019	Systems		
	IEC TR 63225 : 2019			
74	IS 18114 : 2023	Terrestrial Photovoltaic (PV)	-	Identical under dual
	IEC 62941 : 2019	Modules - Quality System for PV		numbering
	IEC 62941 : 2019	Module Manufacturing (First		
75	IS 18124 (Part 1):	Revision) Photovoltaics in Buildings Part 1:		Identical under dual
'3	2023	Requirements for Building-	_	numbering
	IEC 63092-1: 2020	Integrated Photovoltaic Modules		S
	IEC 63092-1: 2020			
76	IS 18124 (Part 2): 2023	Photovoltaics in Buildings Part 2: Requirements for Building-	-	Identical under dual numbering
	IEC 63092-2 : 2020	1		numbering
	IEC 63092-2 : 2020	•		
77	IS 18127 : 2023	Photovoltaic Systems Power	-	Identical under dual
	IEC TS 63156: 2021 IEC TS 63156: 2021	1 1		numbering
	IEC 15 03130: 2021	Performance Energy Evaluation Method		
78	IS 18128 : 2023	Photovoltaic Systems Guidelines	-	Identical under dual
		for Effective Quality Assurance of		numbering
70	IEC TS 63157: 2019	1 1		T1 2 1 1 1 1
79	IS 18129 : 2023 IEC 61701 : 2020	Photovoltaic (PV) Modules Salt Mist Corrosion Testing (First	-	Identical under dual numbering
	IEC 61701 : 2020	Revision)		namoemig
80	IS 18160 (Part 1):	Simulators Used for Testing of	-	Identical under dual
	2023	Photovoltaic Power Conversion		numbering
	IEC TS 63106-1: 2020	Equipment - Recommendations Part 1 a.c. Power Simulators		
	IEC TS 63106-1:	rait raic. Fower Silliulators		
	2020			
81	IS 18519 : 2024	Photovoltaic Power Systems	-	Identical under dual
	IEC TR 63292: 2020	·		numbering
	IEC TR 63292: 2020	Reliability		
82	IS 18596 (Part 2):	Recommendations for Renewable	-	Identical under dual
	2024	Energy and Hybrid Systems for		numbering
	IEC TS	Rural Electrification Part 2 From		

1	62257-2:2015	Requirements to a Range of		
	IEC TS	Electrification Systems		
	62257-2:2015			
83	IS 18596 (Part 3):	Recommendations for Renewable	-	Identical under dual
	2024	Energy and Hybrid Systems for		numbering
		Rural Electrification Part 3 Project		
	62257-3:2015 IEC TS	Development and Management		
	62257-3:2015			
84	IS 18596 (Part 4):	Recommendations for Renewable		Identical under dual
04	2024	Energy and Hybrid Systems for	-	numbering
	IEC TS	Rural Electrification Part 4:		numbering
	62257-4:2015	System Selection and Design		
	IEC TS			
	62257-4:2015			
85	IS 18596 (Part 5):	Recommendations for Renewable	-	Identical under dual
	2024	Energy and Hybrid Systems for		numbering
	IEC TS	Rural Electrification Part 5:		
	62257-5:2015	Protection against Electrical		
	IEC TS	Hazards		
2.5	62257-5:2015			
86	IS 18596 (Part 6):	Recommendations for Renewable	-	Identical under dual
	2024 IEC TS	Energy and Hybrid Systems for		numbering
	62257-6:2015	Rural Electrification Part 6: Acceptance Operation		
	IEC TS	Maintenance and Replacement		
	62257-6:2015	Wantenance and Replacement		
87	IS 18596 (Part 7):	Recommendations for Renewable	_	Identical under dual
	2024	Energy and Hybrid Systems for		numbering
	IEC TS	Rural Electrification Part 7		Č
	62257-7:2017	Generators		
	IEC TS			
	62257-7:2017			
88	,	Recommendations for Renewable	-	Identical under dual
	1):2024	Energy and Hybrid Systems for		numbering
	IEC TS	Rural Electrification Part 7		
	62257-7-1:2010 IEC TS	Generators Section 1 Photovoltaic		
	62257-7-1:2010	Generators		
89		Recommendations for Renewable	_	Identical under dual
	2): 2024	Energy and Hybrid Systems for		numbering
	IEC TS	Rural Electrification Part 7		namoving
	62257-7-2:2022	Generators Section 2 Off-Grid		
	IEC TS	Wind Turbines		
	62257-7-2:2022		 	
90	IS 18596 (Part 7/Sec		 -	Identical under dual
	3): 2024	Energy and Hybrid Systems for		numbering
	IEC TS	Rural Electrification Part 7		
	62257-7-3:2018	Generators Section 3 Selection of		
	IEC TS	Generator Sets For Rural		
01	62257-7-3:2018	Electrification Systems		Identical under dual
91	4): 2024	Recommendations for Renewable	-	
	4): 2024 IEC TS	Energy and Hybrid Systems for Rural Electrification Part 7		numbering
		Generators Section 4 Integration of		
	IEC TS	Solar With Other Forms of Power		
	62257-7-4:2019	Generation Within Hybrid Power		
		Systems		
92	IS 18596 (Part 8/Sec	Recommendations for Renewable	-	Identical under dual
I			l l	

	1	1	•		
	1): 2024	Energy and Hybrid Systems for			numbering
	IEC TS	Rural Electrification Part 8			
	62257-8-1:2018	Selection of batteries and battery			
	IEC TS	management systems for stand-			
	62257-8-1:2018	alone Section 1 electrification			
		systems Specific case of			
		automotive flooded lead-acid			
		batteries available in developing			
		countries			
93	,	Recommendations for Renewable		-	Identical under dual
	1): 2024	Energy and Hybrid Systems for			numbering
	IEC TS	Rural Electrification Part 9			
	62257-9-1:2016	Integrated systems Section 1			
	IEC TS	Micropower systems			
	62257-9-1:2016				
94	IS 18596 (Part 9/Sec			-	Identical under dual
	2): 2024	Energy and Hybrid Systems for			numbering
	IEC TS	Rural Electrification Part 9			
	62257-9-2:2016	Integrated systems Section 2			
	IEC TS	Microgrids			
	62257-9-2:2016				
95	,	Recommendations for Renewable		-	Identical under dual
	3): 2024	Energy and Hybrid Systems for			numbering
	IEC TS	Rural Electrification Part 9			
	62257-9-3:2016	Integrated systems Section 3 User			
	IEC TS	interface			
	62257-9-3:2016				
96	IS 18596 (Part 9/Sec	Recommendations for Renewable		-	Identical under dual
	4): 2024	Energy and Hybrid Systems for			numbering
	IEC TS	Rural Electrification Part 9			
	62257-9-4:2016	Integrated systems Section 4 User			
	IEC TS	installation			
	62257-9-4:2016				
97	IS 18596 (Part 9/Sec	Recommendations for Renewable		-	Identical under dual
	5): 2024	Energy and Hybrid Systems for			numbering
	IEC TS	Rural Electrification Part 9			
	62257-9-5:2018	Integrated Systems Section 5			
	IEC TS	Laboratory Evaluation of Stand-			
	62257-9-5:2018	Alone Renewable Energy Products			
		for Rural Electrification (First			
		Revision)			
98	IS 18596 (Part 9/Sec			-	Identical under dual
	6): 2024	Energy and Hybrid Systems for			numbering
	IEC TS	Rural Electrification Part 9			
	62257-9-6:2019	Integrated systems Section 6			
	IEC TS	Recommendations for selection of			
	62257-9-6:2019	Photovoltaic Individual			
		Electrification Systems PV-IES			
99	IS 18596 (Part 9/Sec			-	Identical under dual
	7): 2024	Systems for Rural Electrification			numbering
		Part 9 Integrated Systems Section 7			
	62257-9-7:2019	Recommendations for Selection of			
	IEC TS	Inverters			
	62257-9-7:2019				
100	IS 18596 (Part 9/Sec	Recommendations for Renewable		-	Identical under dual
	8): 2024	Energy and Hybrid Systems for			numbering
	IEC 62257-9-8:2020	Rural Electrification Part 9			
	IEC	Integrated Systems Section 8			
	62257-9-8:2020	Requirements for Stand-Alone			
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		Renewable Energy Products with			
		Power Ratings Less Than or Equal			
		to 350 W			
101	IS 18596 (Part 10):			-	Identical under dual
	2024	Energy and Hybrid Systems for			numbering
	IEC PAS	Rural Electrification Part 10			
	62257-10:2017	Silicon Solar Module Visual			
	IEC PAS	Inspection Guide			
102	62257-10:2017				
102	IS 18596 (Part	Recommendations for Renewable		-	Identical under dual
	12/Sec 1): 2024	Energy and Hybrid Systems for			numbering
	IEC TS	Rural Electrification Part 12			
	62257-12-1:2020	Laboratory Evaluation of Lamps			
	IEC TS	Section 1 Lighting appliances for			
103	62257-12-1:2020 IS 18603 : 2024	Off-grid Electricity Systems Concentrator Photovoltaic (CPV)			Identical under dual
103	IEC 62787:2021	Solar Cells and Cell on Carrier		-	numbering
	IEC 62787:2021	(CoC) Assemblies - Qualification			numbering
104	IS 18611 : 2024	Photovoltaic PV Modules			Identical under dual
104	IEC 63397:2022	Qualifying Guidelines for		_	numbering
	IEC 63397:2022	Increased Hail Resistance			numbering
105	IS 18720 (Part 100) :	Renewable Energy Off-Grid		_	Identical under dual
103	2024	Systems Part 100 Overview of the			numbering
	IEC 62257-100:2022	-			numbering
	IEC 02237 100.2022 IEC	inde 02257 Series			
	62257-100:2022				
106	IS/IEC 61683 : 1999	Photovoltaic systems - Power	February, 2020	-	Identical under single
	Reviewed In: 2020	conditioners - Procedure for	1001441), 2020		numbering
	IEC 61683:1999	measuring efficiency			
107	IS/IEC 61701 : 2011	Salt mist corrosion testing of	March, 2019	-	Identical under single
	Reviewed In: 2019	photovoltaic (PV) modules			numbering
	IEC 61701:1995				
108	IS/IEC 61724-1:	Photovoltaic System Performance		-	Identical under single
	2021	Part 1 Monitoring (Second			numbering
	IEC 61724-1:2021	Revision)			
	IEC 61724-1:2021				
109	IS/IEC TS 61724-2:	,		-	Identical under single
	2016	Part 2 Capacity Evaluation			numbering
	IEC TS 61724-2:	Method			
	2016				
110	IS/IEC TS 61724-3:	Photovoltaic System Performance	October, 2023	1	Identical under single
	2016	Part 3 Energy Evaluation Method			numbering
	Reviewed In: 2023				
	IEC TS 61724-3:				
111	2016	Photovoltain (DV) Continue			Identical de i 1
111	IS/IEC 61727 : 2004	` ' ' 3		-	Identical under single
	IEC 61727: 2004	Characteristics of the Utility Interface			numbering
112	IS/IEC 61730-1:	Photovoltaic (PV) Module Safety		1	Identical under single
112	2016	Qualification Part 1 Requirements		_	numbering
	2010	for Construction (First Revision)			numbering
	Reviewed In: 2020	101 Construction (1 list Revision)			
	IEC 61730-1 : 2016				
113	IS/IEC 61730-1:	Photovoltaic (PV) Module Safety		_	Identical under single
113	2004	Qualification Part 1 Requirements			numbering
	Reviewed In: 2015	for Construction			
	IEC 61730-1 : 2016	202 Constitution			
114	IS/IEC 61730-2 :	Photovoltaic (PV) Module Safety		-	Identical under single
	2004	Qualification Part 2 Requirements			numbering
1	l			I	I

Ī	Reviewed In: 2015	for Testing		1	
	IEC 61730-2 : 2016				
115	IS/IEC 61730-2:	Photovoltaic (PV) module safety		-	Identical under single
	2019	qualification: Part 2 requirements			numbering
	IEC 61730-2 : 2016	<u> </u>			
116	IS/IEC 61829 : 2015		February, 2020	-	Identical under single
	Reviewed In: 2020	Photovoltaic (PV) Array - On-Site			numbering
	IEC 61829: 2015	Measurement of Current-Voltage			
		Characteristics (First Revision)			
117		Photovoltaic (PV) Arrays - Design		-	Identical under single
	IEC 62548 : 2016	Requirements			numbering
118	IS/IEC 62688 : 2017	Concentrator Photovoltaic (CPV)		-	Identical under single
	IEC 62688: 2017	Modules and Assemblies Safety			numbering
		Qualification			
119	IS/IEC TS 62738 :	Ground-Mounted Photovoltaic		-	Identical under single
	2018	Power Plants - Design Guidelines			numbering
	IEC TS 62738: 2018				
120	IS/IEC TS 62782 :	Photovoltaic (PV) Modules		-	Identical under single
	2016	Cyclic (Dynamic) Mechanical			numbering
12:	IEC TS 62782: 2016	8			
121	IS/IEC TS 62789 :	Photovoltaic Concentrator Cell		-	Identical under single
	2014	Documentation			numbering
	IEC TS 62789:2014				
122	IS/IEC 62805-1:	Method for Measuring		-	Identical under single
	2017	Photovoltaic (PV) Glass Part 1			numbering
	IEC 62805-1 : 2017	Measurement of Total Haze and			
122	Y07770 (2007 2	Spectral Distribution of Haze			*1
123	IS/IEC 62805-2:	Method for Measuring		-	Identical under single
	2017	Photovoltaic (PV) Glass Part 2			numbering
	IEC 62805-2 : 2017	Measurement of Transmittance and			
124	IS/IEC 62817 : 2017	Reflectance			Identical under single
124	IEC 62817 : 2017	Photovoltaic System - Design Oualification of Solar Trackers		-	Identical under single
125	IS/IEC TS 62915 :	Photovoltaic (PV) Modules Type			numbering Identical under single
123	2018	Approval, Design and Safety		-	numbering
	IEC TS 62915 :	Qualification - Retesting			numbering
	2018	Quantication - Retesting			
126	IS/IEC TS 62916 :	Photovoltaic Modules Bypass			Identical under single
120	2017	Diode Electrostatic Discharge		_	numbering
	IEC 62916 : 2017	Susceptibility - Testing			numbering
127	IS/IEC 62920 : 2017	Photovoltaic Power Generating		1	Identical under single
127	IEC 62920 : 2017	Systems - EMC Requirements and		1	numbering
	IEC 02920 . 2017	Test Methods for Power			numbering
1		Conversion Equipment			
128	IS/IFC 62025 · 2016	Concentrator Photovoltaic (CPV)		_	Identical under single
120	15/1LC 02923 , 2010	Modules Thermal Cycling Test to		_	numbering
1	IEC 62925 : 2016	Differentiate Increased Thermal			numbering
1	1LC 02723 . 2010	Fatigue Durability			
129	IS/IEC 62979 : 2017			_	Identical under single
	IEC 62979 : 2017	Diode Thermal Runaway Test			numbering
130	IS/IEC TS 62989 :	Primary Optics for Concentrator		_	Identical under single
	2018	Photovoltaic Systems			numbering
1	IEC TS 62989:2018				
131	IS/IEC/TS 62994 :	Photovoltaic (PV) Modules		_	Identical under single
	2019	Through the Life Cycle -			numbering
1	IEC TS 62994 :	Environmental Health and Safety			
1	2019	EHS Risk Assessment - General			
1	2017	Principles and Nomenclature			
132	IS/IEC 63049 : 2017	•		_	Identical under single
152	2017				Tachacai ander single

	IEC TS 63049:	Systems Guidelines for Effective		numbering
	2017	Quality Assurance in PV Systems		
		Installation Operation and		
		Maintenance		
133	IS/IEC 63202-1:	Photovoltaic Cells Part 1	=	Identical under single
	2019	Measurement of Light-Induced		numbering
	IEC 63202-1:2019	Degradation of Crystalline Silicon		
		Photovoltaic Cells		
134	IS/IEC/TR 63228 :	Measurement Protocols for	=	Identical under single
	2019	Photovoltaic Devices Based on		numbering
	IEC TR 63228:	Organic, Dye-Sensitized or		
	2019	Perovskite Materials		

Standards under Development

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

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

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

		Draft Standards Completed WC Stage
SI. No.	Doc No.	Title
1	ETD 28 (25768)	Photovoltaic PV Modules Transportation Testing Part 1 Transportation and Shipping of Module Package Units
2	ETD 28 (25770)	Photovoltaic Devices Part 1 Measurement of Photovoltaic Current-Voltage Characteristics Second Revision
3	ETD 28 (25771)	Photovoltaic Devices Part 2 Requirements for Photovoltaic Reference Devices Third Revision
4	ETD 28 (25773)	Photovoltaic Devices Part 4 Photovoltaic Reference Devices Procedures for Establishing Calibration Traceability First Revision
5	ETD 28 (25783)	Photovoltaic Devices Procedures for Temperature and Irradiance Corrections To Measured I-V Characteristics Second Revision
6	ETD 28 (25784)	Concentrator Photovoltaic CPV Modules and Assemblies Design Qualification and Type Approval Second Revision
7	ETD 28 (25785)	Photovoltaic System Power Conversion Equipment Design Qualification and Type Approval First Revision
8	ETD 28 (25786)	Photovoltaic PV Modules - Salt Mist Corrosion Testing First Revision
9	ETD 28 (25788)	Photovoltaic System Performance Part 1 Monitoring Second Revision
10	ETD 28 (25790)	Photovoltaic PV Module Safety Qualification Part 1 Requirements for Construction Second Revision
11	ETD 28 (25791)	Photovoltaic PV Module Safety Qualification Part 2 Requirements for Testing Second Revision
12	ETD 28 (25793)	Photovoltaic PV Arrays Part 1 Design Requirements First Revision
13	ETD 28 (25794)	Photovoltaic PV Modules -Type Approval Design and Safety Qualification Retesting First Revision

	Finalized Draft Indian Standard

SI. No.	Doc No.	Title	
	No Records Found		

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

Total Published Standards:103 Total Standards Under development:13

Aspect Wise Report

Product: 20
Code of Practices: 13
Methods of Test: 64
Terminology: 1
Dimensions: 0
System Standard: 3
Safety Standard: 3
Others: 22

Service Specification: 2 Process Specification: 1 Unclassified: 0

Annexure-I :List of Indian Standards Withdrawn/Superseded

SI. No.	IS No. & Year	Title
1	IS 14244 : 1995	Characteristic parameters of stand alone photovoltaic PV systems
	IEC 1194	
	Reviewed In: 2015 IEC	
	1194	
2	IS 16170 (Part 2): 2018	Photovoltaic PV module performance testing and energy rating Part 2 spectral responsivity
	IEC 61853-2 : 2016	incidence angle and module operating temperature measurements
	IEC 61853-2:2016	
3	IS/IEC 61724 : 1998	Photovoltaic system performance monitoring - Guidelines for measurement data exchange and
	Reviewed In: 2015 IEC	analysis
	61724:1998	
4	IS/IEC 61725 : 1997	Analytical expression for daily solar profiles
	Reviewed In: 2020 IEC	
	61725:1997	
5	IS/IEC 62941 : 2016	Terrestrial Photovoltaic PV Modules Guidelines for Increased Confidence in PV Module Design
	IEC 62941 : 2016	Qualification and Type Approval
	IEC 62941 : 2016	

Annexure-II : List of Indian Product Standards

SI. No.	IS No. & Year	Title
1	IS 12762 (Part 1/Sec 2):	Photovoltaic Devices Part 1 Measurement of Current-voltage Characteristics Section 2 Bifacial
	2020	photovoltaic PV devices
	IEC TS 60904-1-2 : 2019	
	IEC TS 60904-1-2:2019	
2	IS 12762 (Part 2): 2018	Photovoltaic devices Part 2 Requirements for photovoltaic reference devices Second Revision
	IEC 60904-2 : 2015	
	60904-2 : 2015	
3	IS 14286 : 2010	Crystalline silicon terrestrial photovoltaic PV modules - Design qualification and type approval
	61215	First Revision
	Reviewed In: 2020 IEC	
	61215 : 2005	

4	IS 14286 (Part 1/Sec 1):	Terrestrial photovoltaic PV modules Design qualification and type approval Part 1-1 Special
	2023	requirements for testing of crystalline silicon photovoltaic PV modules Third Revision
	IEC 61215-1-1:2021	
	IC 14006 (D. +1/C. 0)	T ('11 (1' DV 11 D ' 1'C')' 1 (1D (120)')
5	IS 14286 (Part 1/Sec 2):	Terrestrial photovoltaic PV modules Design qualification and type approval Part 1-2 Special
	2023 IEC (1215 1 2:2021	requirements for testing of thin-film Cadmium Telluride CdTe based photovoltaic PV modules Third Revision
	IEC 61215-1-2:2021	I nird Revision
6	IS 14286 (Part 1/Sec 3):	Terrestrial photovoltaic PV modules Design qualification and type approval Part 1-3 Special
	2023	requirements for testing of thin-film amorphous silicon based photovoltaic PV modules Third
	IEC 61215-1-3:2021	Revision
7	IS 14286 (Part 1/Sec 4):	Terrestrial photovoltaic PV modules Design qualification and type approval Part 1-4 Special
	2023	requirements for testing of thin-film Cu In ga S Se 2 based photovoltaic PV modules Third
	IEC 61215-1-4:2021	Revision
8	IS 16077 : 2013	Thin - Film terrestrial photovoltaic PV modules - Design qualification and type approval
	IEC 61646 : 2008	
	Reviewed In: 2018 IEC	
9	61646 : 2008 IS 16221 (Part 2) : 2015	Safaty of navyar convertors for use in whatevoltain navyar avertors. Part 2 martiallar as in the
9	IEC 62109-2 : 2011	Safety of power converters for use in photovoltaic power systems Part 2 particular requirements for inverters
	Reviewed In : 2020 IEC	101 inverters
	62109-2: 2011	
10	IS 16230 : 2017	Photovoltaic PV Stand-Alone Systems - Design Verification
10	IEC 62124 : 2004	Thotovolate I v Stand Mone Systems Design verification
	IEC 62124 : 2004	
11	IS 16476 (Part 1): 2017	LED Based Solar Lantern Part 1 Specification
	Reviewed In: 2022	
12	IS 16663 : 2018	Photovoltaic systems - Specifications for solar trackers
	IEC/TS 62727 : 2012	
12	IEC TS 62727 : 2012	
13	IS 16781 : 2018 IEC 62852 : 2014	Connectors for d c Application in Photovoltaic Systems Safety Requirements and Tests
	Reviewed In: 2023 IEC 62852: 2014	
14	IS 16797 : 2019	Battery charge controllers for photovoltaic systems - Performance and functioning
1-7	IEC 62509 : 2010	Satisfy charge controllers for photovorate systems. Terrormance and functioning
	IEC 62509:2010	
15	IS 17980 : 2022	Maximum Power Point Tracking Efficiency of Grid Connected Photovoltaic Inverters First
	IEC 62891 : 2020	Revision
	ISO/IEC 27099:2022	
16	IS/IEC 61730-1 : 2004	Photovoltaic PV Module Safety Qualification Part 1 Requirements for Construction
	Reviewed In:	
	2015 ISO/IEC	
	30108-1:2015	
17	IS/IEC 61730-2 : 2004	Photovoltaic PV Module Safety Qualification Part 2 Requirements for Testing
	Reviewed In : 2015 ISO	
10	5667-12:2017	Concentrates Dhotosokolo CDVA Address d Asset 11' C.C. C. 11C' C'
18	IS/IEC 62688 : 2017	Concentrator Photovoltaic CPV Modules and Assemblies Safety Qualification
19	IEC 62688: 2017 IS/IEC 62817 : 2017	Photovoltaic System - Design Qualification of Solar Trackers
19	IEC 60721-3-7: 1995	r notovonaic system - Design Qualification of solar frackers
20	IS/IEC TS 62915 : 2018	Photovoltaic PV Modules Type Approval Design and Safety Qualification - Retesting
25	IEC TS 62915 : 2018	1 1000 rotation 1 1 110 auto 1 1 po ripprovide Doubling and outory Quantication Retesting
	120 10 02/10 , 2010	