

F. No. 283/41/2024-GRID SOLAR

भारत सरकार / Government of India

नवीन और नवीकरणीय ऊर्जा मंत्रालय / Ministry of New & Renewable Energy

ग्रिड सौर ऊर्जा प्रभाग / Grid Solar Power Division

Atal Akshay Urja Bhawan,
Lodhi Road, New Delhi – 110003.Dated: 22nd December 2025**OFFICE MEMORANDUM****Sub: Updation of List I (Manufacturers and Models of Solar PV Modules) of ALMM Order, 2019 – Reg.**

- Ref: (i) MNRE's O.M. No. 283/54/2018-GRID SOLAR-Part(1) dated 10.03.2021
(ii) MNRE's O.M. No. 283/22/2023-GRID SOLAR/Pt dated 10.05.2023;
(iii) MNRE's O.M. No. 283/22/2023-GRID SOLAR/Pt dated 22.03.2024;
(iv) MNRE's O.M. No. 32/33/2024-SPV Division dated 06.05.2025;

Reference is invited to this Ministry's O.M.s of even no. dated 10.03.2021, regarding implementation of Approved Models and Manufacturers of Solar Photovoltaic Modules (Requirement for Compulsory Registration) Order, 2019 and publishing List – I (Manufacturers and Models of Solar PV Modules) of ALMM Order, 2019.

2. This Ministry vide its O.M.s referred at (ii), (iii) & (iv) above, inter-alia, directed that only such models of Solar PV Module Manufacturers will be enlisted under ALMM, which comply with the BIS Standards and are having the following minimum module efficiency:

Category	Application/Use	Minimum Module Efficiency required to be eligible for enlistment in ALMM for solar PV modules	
		For c-Si technology based solar PV modules	For CdTe thin film technology based solar PV modules
Category-I	Utility/Grid Scale Power Plants	20.00%	19.00%
Category-II	Rooftop and Solar Pumping	19.50%	18.50%
Category-III	Off-grid projects/applications like solar lamps, solar lights, solar street lights, solar fans, etc. (other than solar powered agricultural pumps and solar PV rooftops) requiring individual capacity of each solar PV module deployed, to be of less than 200 Watt peak	18.00%	18.00%
		(not to be included in main ALMM List-I but to be included in a separate ALMM list called ALMM List-I (DRE)	
Category-IV	Any other application	19.00%	18.00%

3. Post the aforesaid O.M. dated 10.05.2023 and subsequent O.M.s dated 22.03.2024 and 06.05.2025, only such models of Solar PV Modules have been considered for enlistment under ALMM List-I, whose module efficiency is meeting the eligibility criteria as mentioned in table at para-2 above.

4. The List – I (Manufacturers and Models of Solar PV Modules) of ALMM Order, 2019 was last updated on 25.11.2025.

5. The List – I (Manufacturers and Models of Solar PV Modules) of ALMM Order, 2019 is hereby further revised and the Revision-XLV (*in the format of additions / modifications to Revision-XLIV*) is enclosed at Annexure-I. The last revision no. XLIV dated 25.11.2025 is at pages after Annexure-I.

6. The ALMM enlistment validity is subject to valid BIS Registration; else deemed to be delisted.

7. The details of Registration No. (R. No.) which has been allotted by BIS is mentioned against each manufacturer / manufacturing unit enlisted in ALMM and further details related to BIS certification like validity, models included, etc. may be checked from BIS website by using the following link:
https://www.crsbis.in/BIS/Lims_registrationc.do?hmode=getLimsData

8. This issues with the approval of competent authority.

(Sanjay G. Karndhar)

Scientist-E

E-mail: karndhar.sg@nic.in

Encl: as above

To: All Concerned

Copy to: Director (Technical), NIC, MNRE for uploading this document on MNRE's website

A. Amendments/ Updations in previous lists of ALMM List-I

1. Revision XXXVI Sl. No. 1 => Removal of Emmvee Unit-1 located in # 13/1, International Airport Road. Bettahalasur Post, Bengaluru - 562 157, India, from ALMM List-I for solar PV modules, as the BIS validity of the said manufacturing plant has already expired on 19.09.2025 and has not been renewed and the manufacturer has discontinued manufacturing operations at this location.

2. Revision XLIV Sl.No. 4 => M/s. Sirius Solar Energy Systems Pvt. Ltd. - Address Update

Old Address:- PLOT NO.30 & 46, ALEAP INDUSTRIAL ESTATE, PRAGATHI NAGAR, GAJULARAMARAM, QUTUBULLAPUR MANDAL, Telangana, India - 500090

New Address:- PLOT NO: F33, SY.NO:70 & 174, IP SULTANPUR, PATANCHERU, SANGAREDDY- 502319, Telangana, India



B. New additions on 22.12.2025 in the List of Manufacturers and Models of Solar PV Modules Enlisted under ALMM Order

B. New additions on 22.12.2025 in the List of Manufacturers and Models of Solar PV Modules Enlisted under ALMM Order													
S. No.	Name of the Manufacturer	Location of Manufacturing Facility	BIS Registration No.	Enlisted Capacity (MWs / Year)	S. No.	Type of Module	Applied Model	Enlisted Models	Module Efficiency (%)	No. of Cells in Module	System Voltage (in Volt)	Validity	
												From	To (subject to valid BIS Registration; else deemed to be delisted)
1	M/s. Saatvik Solar Industries Private Limited (Capacity Addition)	Village Mohari, Tehsil-Shahabad, Markanda, Ambala Road District-Kurukshetra -136135, Haryana, India	R-91017981	3122	i	Bifacial N-Type TOPCon Modules (Glass to Glass)	SGE615-132TGG (615 Wp)	SGE600-132TGG	22.21	132 (Half Cut Cells)	1500	13.08.2025	12.08.2029
								SGE605-132TGG	22.40				
								SGE610-132TGG	22.58				
								SGE615-132TGG	22.77				
								SGE620-132TGG	22.95				
								SGE625-132TGG	23.14				
					ii	Bifacial N-Type TOPCon Modules (Glass to Glass)	SGE425-108TGG (425 Wp)	SGE410-108TGG	20.97	108 (Half Cut Cells)	1500		
								SGE415-108TGG	21.23				
								SGE420-108TGG	21.48				
								SGE425-108TGG	21.74				
								SGE430-108TGG	21.99				
								SGE435-108TGG	22.25				
					iii	Bifacial N-Type TOPCon Modules (Glass to Glass)	SGE475-120TGG (475 Wp)	SGE440-108TGG	22.51	120 (Half Cut Cells)	1500		
								SGE460-120TGG	21.22				
								SGE465-120TGG	21.45				
								SGE470-120TGG	21.68				
								SGE475-120TGG	21.91				
								SGE480-120TGG	22.14				
					iv	Bifacial N-Type TOPCon Modules (Glass to Glass)	SGE520-132TGG (520 Wp)	SGE485-120TGG	22.37	132 (Half Cut Cells)	1500		
								SGE490-120TGG	22.60				
								SGE510-132TGG	21.46				
								SGE515-132TGG	21.67				
								SGE520-132TGG	21.88				
								SGE525-132TGG	22.09				
					v	Bifacial N-Type TOPCon Modules (Glass to Glass)	SGE580-144TGG (580 Wp)	SGE530-132TGG	22.30	144 (Half Cut Cells)	1500		
								SGE535-132TGG	22.51				
								SGE560-144TGG	21.68				
								SGE565-144TGG	21.87				
								SGE570-144TGG	22.07				
								SGE575-144TGG	22.26				
					vi	Bifacial N-Type TOPCon Modules (Glass to Glass)	SGE615-156TGG (615 Wp)	SGE580-144TGG	22.45	156 (Half Cut Cells)	1500		
								SGE585-144TGG	22.65				
								SGE590-144TGG	22.84				
								SGE595-144TGG	23.03				
								SGE600-144TGG	23.23				
								SGE600-156TGG	21.47				
2	M/s MKU Holdings Private Limited (Model Addition + Capacity Addition)	DTA-02, PLOT-16-17-20-21, AJMER ROAD, BAGRU, MAHINDRAWORLD CITY SEZ, SANGANER, JAIPUR, RAJASTHAN, 302039 RAJASTHAN, India-302039	R-84005282	1247	i	Bifacial N-Type TOPCon Module (Glass to Glass)	ACM-HD144N-600 (600 Wp)	ACM-HD144N-600	23.23	144 (Half Cut, Cells size 182.2 x 91.87 mm)	1500	27.03.2025	26.03.2029
								ACM-HD144N-595	23.03				

S. No.	Name of the Manufacturer	Location of Manufacturing Facility	BIS Registration No.	Enlisted Capacity (MWs / Year)	S. No.	Type of Module	Applied Model	Enlisted Models	Module Efficiency (%)	No. of Cells in Module	System Voltage (in Volt)	Validity	
												From	To (subject to valid BIS Registration; else deemed to be delisted)
3	M/s. Macwin Solar Energy Private Limited (New Addition in ALMM)	Block No-462, Near Kanhya showroom, Bhat Gam, Olpad, Olpad-Vadoli Road Surat - 394540, Gujarat, India	R-72012343	405	i	Bifacial N-Type TOPCon Module (Glass To Transparent Backsheet)	MSE_560 (560 Wp)	MSE_535	20.71	144 (Half Cut Cell)	1500	22.12.2025	21.12.2029
								MSE_540	20.90				
								MSE_545	21.10				
								MSE_550	21.29				
								MSE_555	21.48				
								MSE_560	21.68				
								MSE_565	21.87				
								MSE_570	22.07				
								MSE_575	22.26				
								MSE_580	22.45				
					ii	Bifacial N-Type TOPCon Module (Glass To Transparent Backsheet)	MSE_515 (515 Wp)	MSE_500	21.08	132 (Half Cut Cell)	1500		
								MSE_505	21.29				
								MSE_510	21.50				
								MSE_515	21.71				
								MSE_520	21.92				
								MSE_525	22.13				
								MSE_530	22.34				
					iii	Bifacial N-Type TOPCon Module (Glass To Transparent Backsheet)	MSE_480 (480 Wp)	MSE_460	21.26	120 (Half Cut Cell)	1500		
								MSE_465	21.49				
								MSE_470	21.72				
								MSE_475	21.95				
								MSE_480	22.18				
								MSE_485	22.42				
								MSE_490	22.65				
								MSE_495	22.88				
					iv	Bifacial N-Type TOPCon Module (Glass To Transparent Backsheet)	MSE_405 (405 Wp)	MSE_405	20.74	108 (Half Cut Cell)	1500		
					v	Bifacial N-Type TOPCon Module (Glass To Transparent Backsheet)	MSE_430 (430 Wp)	MSE_410	21.00	108 (Half Cut Cell)	1500		
								MSE_415	21.25				
								MSE_420	21.51				
								MSE_425	21.76				
								MSE_430	22.02				
								MSE_435	22.28				
								MSE_440	22.53				
								MSE_445	22.79				
								MSE_450	23.04				
					vi	Bifacial N-Type TOPCon Module (Glass To Transparent Backsheet)	MSE_355 (355 Wp)	MSE_355	20.35	96 (Half Cut Cell)	1500		
					vii	Bifacial N-Type TOPCon Module (Glass To Transparent Backsheet)	MSE_375 (375 Wp)	MSE_360	20.64	96 (Half Cut Cell)	1500		
								MSE_365	20.93				
								MSE_370	21.21				
								MSE_375	21.50				
								MSE_380	21.79				
								MSE_385	22.07				
								MSE_390	22.36				
					viii	Bifacial N-Type TOPCon Module	MSE_330 (330 Wp)	MSE_320	20.87	84 (Half Cut Cell)	1500		
								MSE_325	21.20				

S. No.	Name of the Manufacturer	Location of Manufacturing Facility	BIS Registration No.	Enlisted Capacity (MWs / Year)	S. No.	Type of Module	Applied Model	Enlisted Models	Module Efficiency (%)	No. of Cells in Module	System Voltage (in Volt)	Validity		
												From	To (subject to valid BIS Registration; else deemed to be delisted)	
						(Glass To Transparent Backsheet)		MSE_330	21.52	72 (Half Cut Cell)	1500			
					ix	Bifacial N-Type TOPCon Module (Glass To Transparent Backsheet)	MSE_280 (280 Wp)	MSE_335	21.85					
				MSE_340				22.18						
				MSE_345				22.50						
				MSE_270				20.38						
				MSE_275				20.76						
				MSE_280				21.14						
				MSE_285				21.52						
							MSE_290	21.89						
4	M/s. Waaree Energies Limited (Model Addition + Capacity Addition)	Survey No. 1934, 1939, 1941, 1942, NH-48, Degam, Chikhali, Navsari, Gujarat,India - 396530	R-72005533	16444	i	Bifacial Hetero-junction Monocrystalline Silicon (HJT) Module (Glass to Glass)	BiH-11-715 (715 Wp)	BiH-11-700	22.53	132 (Half Cut Cells) (Cell Size: 210 mm * 105 mm)	1500	18.08.2024	17.08.2028	
								BiH-11-705	22.70					
								BiH-11-710	22.86					
								BiH-11-715	23.02					
								BiH-11-720	23.18					
								BiH-11-725	23.34					
								BiH-11-730	23.50					
					ii	Bifacial N-Type TOPCon Module (Glass to Glass)	BiN-03-695 (695 Wp)	BiN-03-680	21.89	132 (Half Cut Cells) (Cell Size: 210 mm * 105 mm)	1500			
								BiN-03-685	22.05					
								BiN-03-690	22.21					
								BiN-03-695	22.37					
								BiN-03-700	22.53					
								BiN-03-705	22.70					
								BiN-03-710	22.86					
					iii	Bifacial N-Type TOPCon Module (Glass to Glass)	BiN-21-620 (620 Wp)	BiN-21-600	22.21	132 (Half Cut Cells) (Cell Size: 105 mm * 182.3 mm)	1500			
								BiN-21-605	22.40					
								BiN-21-610	22.58					
								BiN-21-615	22.77					
								BiN-21-620	22.95					
								BiN-21-625	23.14					
								BiN-21-630	23.32					
								BiN-21-635	23.51					
					iv	Mono c-Si PERC Module (Glass to Backsheet)	WSM-130 (130 Wp)	WSM-130	19.09	36 (Half Cut Cells)(Cell Size: 91.1 mm * 182.2 mm)	1000			
					v	Mono c-Si PERC Module (Glass to Backsheet)	WSM-120 (120 Wp)	WSM-120	19.68	32 (Half Cut Cells)(Cell Size: 91.1 mm * 182.2 mm)	1000			
5	M/s EASTMAN GREEN TECHNOLOGIES PRIVATE LIMITED (New Addition in ALMM)	KHASRA NO.55//2,3/1,PANCHI UJРАН,NEAR HAPPY CHILD INTERNATIONAL,GANAUR, SONIPAT, HARYANA-131101	R-91019879	374	i	Bifacial Mono c-Si PERC Module(Glass to Transparent Backsheet) (Glass to Glass)	EBP144HCGB525 (525 Wp)	EBP144HCGB550	21.29	144 (Half Cut Cells)	1500	22.12.2025	21.12.2029	
								EBP144HCGB545	21.10					
								EBP144HCGB540	20.90					
								EBP144HCGB535	20.71					
								EBP144HCGB530	20.52					
								EBP144HCGB525	20.32					
								EBP144HCGB520	20.13					
								EBP144HCGB515	19.94					
								EBP144HCGB510	19.74					
								EBP144HCGB505	19.55					
								EBP144HCGB500	19.36					

S. No.	Name of the Manufacturer	Location of Manufacturing Facility	BIS Registration No.	Enlisted Capacity (MWs / Year)	S. No.	Type of Module	Applied Model	Enlisted Models	Module Efficiency (%)	No. of Cells in Module	System Voltage (in Volt)	Validity	
												From	To (subject to valid BIS Registration; else deemed to be delisted)
					ii	Bifacial Mono c-Si PERC Module(Glass to Transparent Backsheet)	EBP144HCGB495 (495 Wp)	EBP144HCGB495	19.16	144 (Half Cut Cells)	1500		
					iii	Bifacial Mono c-Si PERC Module(Glass to Transparent Backsheet)	EBP132HCGB470 (470 Wp)	EBP132HCGB490	20.65	132 (Half Cut Cells)	1500		
								EBP132HCGB485	20.44				
								EBP132HCGB480	20.33				
								EBP132HCGB475	20.02				
								EBP132HCGB470	19.81				
								EBP132HCGB465	19.60				
					iv	Bifacial Mono c-Si PERC Module(Glass to Transparent Backsheet)	EBP120HCGB425 (425 Wp)	EBP132HCGB460	19.39	120 (Half Cut Cells)	1500		
								EBP120HCGB440	20.34				
								EBP120HCGB435	20.10				
								EBP120HCGB430	19.87				
								EBP120HCGB425	19.64				
								EBP120HCGB420	19.41				
					v	Bifacial Mono c-Si PERC Module(Glass to Transparent Backsheet)	EBP108HCGB385 (385 Wp)	EBP120HCGB415	19.18	108 (Half Cut Cells)	1500		
								EBP108HCGB400	20.48				
								EBP108HCGB390	19.97				
								EBP108HCGB385	19.72				
								EBP108HCGB380	19.46				
					vi	Bifacial Mono c-Si PERC Module(Glass to Transparent Backsheet)	EBP96HCGB345 (345 Wp)	EBP108HCGB375	19.20	96 (Half Cut Cells)	1500		
								EBP96HCGB360	20.64				
								EBP96HCGB355	20.35				
								EBP96HCGB350	20.07				
								EBP96HCGB345	19.78				
								EBP96HCGB340	19.49				
					vii	Bifacial N-Type TOPCon Module (Glass to Glass)	ETC156HCGG630 (630 Wp)	EBP96HCGB335	19.21	156 (Half Cut Cells)	1500		
								ETC156HCGG650	23.24				
								ETC156HCGG645	23.07				
								ETC156HCGG640	22.89				
								ETC156HCGG635	22.71				
								ETC156HCGG630	22.53				
								ETC156HCGG625	22.35				
								ETC156HCGG620	22.17				
								ETC156HCGG615	21.99				
								ETC156HCGG610	21.81				
								ETC156HCGG605	21.63				
					viii	Bifacial N-Type TOPCon Module (Glass to Glass)	ETC144HCGG575 (575 Wp)	ETC144HCGG600	23.23	144 (Half Cut Cells)	1500		
								ETC144HCGG595	23.03				
								ETC144HCGG590	22.84				
								ETC144HCGG585	22.65				
								ETC144HCGG580	22.45				
								ETC144HCGG575	22.26				
								ETC144HCGG570	22.07				
								ETC144HCGG565	21.87				
								ETC144HCGG560	21.68				
								ETC144HCGG555	21.48				
								ETC144HCGG550	21.29				
					ix	Bifacial N-Type	ETC144HCGG540 (540	ETC144HCGG545	21.10	144 (Half Cut Cells)	1500		

S. No.	Name of the Manufacturer	Location of Manufacturing Facility	BIS Registration No.	Enlisted Capacity (MWs / Year)	S. No.	Type of Module	Applied Model	Enlisted Models	Module Efficiency (%)	No. of Cells in Module	System Voltage (in Volt)	Validity	
												From	To (subject to valid BIS Registration; else deemed to be delisted)
						TOPCon Module (Glass to Glass)	Wp)	ETC144HCGG540	20.90				
					x	Bifacial N-Type TOPCon Module (Glass to Glass)	ETC132HCGG510 (510 Wp)	ETC132HCGG535	22.55	132 (Half Cut Cells)	1500		
								ETC132HCGG530	22.34				
								ETC132HCGG525	22.13				
								ETC132HCGG520	21.92				
								ETC132HCGG515	21.71				
								ETC132HCGG510	21.50				
								ETC132HCGG505	21.29				
								ETC132HCGG500	21.08				
								ETC132HCGG495	20.87				
								ETC132HCGG490	20.65				
					xi	Bifacial N-Type TOPCon Module (Glass to Glass)	ETC120HCGG465 (465 Wp)	ETC120HCGG485	22.42	120 (Half Cut Cells)	1500		
								ETC120HCGG480	22.18				
								ETC120HCGG475	21.95				
								ETC120HCGG470	21.72				
								ETC120HCGG465	21.49				
								ETC120HCGG460	21.26				
								ETC120HCGG450	20.80				
								ETC120HCGG445	20.57				
					xii	Bifacial N-Type TOPCon Module (Glass to Glass)	ETC120HCGG440 (440 Wp)	ETC120HCGG440	20.34	120 (Half Cut Cells)	1500		
					xiii	Bifacial N-Type TOPCon Module (Glass to Transparent Backsheet)	ETC156HCGB630 (630 Wp)	ETC156HCGB650	23.24	156 (Half Cut Cells)	1500		
								ETC156HCGB645	23.07				
								ETC156HCGB640	22.89				
								ETC156HCGB635	22.71				
								ETC156HCGB630	22.53				
								ETC156HCGB625	22.35				
								ETC156HCGB620	22.17				
								ETC156HCGB615	21.99				
								ETC156HCGB610	21.81				
								ETC156HCGB605	21.63				
					xiv	Bifacial N-Type TOPCon Module (Glass to Transparent Backsheet)	ETC144HCGB575 (575 Wp)	ETC144HCGB600	23.23	144 (Half Cut Cells)	1500		
								ETC144HCGB595	23.03				
								ETC144HCGB590	22.84				
								ETC144HCGB585	22.65				
								ETC144HCGB580	22.45				
								ETC144HCGB575	22.26				
								ETC144HCGB570	22.07				
								ETC144HCGB565	21.87				
								ETC144HCGB560	21.68				
								ETC144HCGB555	21.48				
								ETC144HCGB550	21.29				
					xv	Bifacial N-Type TOPCon Module (Glass to Transparent Backsheet)	ETC144HCGB540 (540 Wp)	ETC144HCGB545	21.10	144 (Half Cut Cells)	1500		
								ETC144HCGB540	20.90				
					xvi	Bifacial N-Type TOPCon Module (Glass to Transparent Backsheet)	ETC132HCGB510 (510 Wp)	ETC132HCGB535	22.55	132 (Half Cut Cells)	1500		
								ETC132HCGB530	22.34				
								ETC132HCGB525	22.13				

S. No.	Name of the Manufacturer	Location of Manufacturing Facility	BIS Registration No.	Enlisted Capacity (MWs / Year)	S. No.	Type of Module	Applied Model	Enlisted Models	Module Efficiency (%)	No. of Cells in Module	System Voltage (in Volt)	Validity	
												From	To (subject to valid BIS Registration; else deemed to be delisted)
						Backsheet)		ETC132HCGB520	21.92				
								ETC132HCGB515	21.71				
								ETC132HCGB510	21.50				
								ETC132HCGB505	21.29				
								ETC132HCGB500	21.08				
								ETC132HCGB495	20.87				
								ETC132HCGB490	20.65				
					xvii	Bifacial N-Type TOPCon Module (Glass to Transparent Backsheet)	ETC120HCGB465 (465 Wp)	ETC120HCGB485	22.42	120 (Half Cut Cells)	1500		
								ETC120HCGB480	22.18				
								ETC120HCGB475	21.95				
								ETC120HCGB470	21.72				
								ETC120HCGB465	21.49				
								ETC120HCGB460	21.26				
								ETC120HCGB450	20.80				
					xviii	Bifacial N-Type TOPCon Module (Glass to Transparent Backsheet)	ETC120HCGB440 (440 Wp)	ETC120HCGB445	20.57	120 (Half Cut Cells)	1500		
								ETC120HCGB440	20.34				
6	M/s. Rayzon Solar Limited (New Addition in ALMM)	Block No.172/1, Sub Plot No. 02, B/S Eminent Paper Industries, Sava Mangrol, Surat - 394120, Gujarat, India.	R-72014702	5659	i	Bifacial N-Type TOPCon Modules (Glass to Glass)	RS600144TGC-600 (600 Wp)	RS620144TGC	24.02	144 (Half Cut Cells)	1500	22.12.2025	21.12.2029
								RS615144TGC	23.83				
								RS610144TGC	23.63				
								RS605144TGC	23.44				
								RS600144TGC	23.25				
								RS595144TGC	23.05				
								RS590144TGC	22.86				
								RS585144TGC	22.67				
								RS580144TGC	22.47				
								RS575144TGC	22.28				
7	M/s. Frontier Energy Private Limited (New Addition in ALMM)	B2 Kothur Logistic Park, TSIC Industrial Development, Kothur B, TSSI Industrial Park, Hyderabad Ranga Reddy Telangana,India-509228	R-63005045	548	i	Bifacial N-Type TOPCon Module (Glass to Glass)	FE156_620TG (620 Wp)	FE156_605TG	21.63	156 (Half Cut Cells)	1500	22.12.2025	21.12.2029
								FE156_610TG	21.81				
								FE156_615TG	21.99				
								FE156_620TG	22.17				
								FE156_625TG	22.35				
								FE156_630TG	22.53				
								FE156_635TG	22.71				
								FE156_640TG	22.89				
								FE156_645TG	23.07				
								ii	Bifacial N-Type TOPCon Module (Glass to Glass)				
					FE144_545TG	21.10							
					FE144_550TG	21.29							
					FE144_555TG	21.48							
					FE144_560TG	21.68							
					FE144_565TG	21.87							
					FE144_570TG	22.07							
					FE144_575TG	22.26							
					FE144_580TG	22.45							
					FE144_585TG	22.65							
					iii	Bifacial N-Type TOPCon Module	FE132_515TG (515Wp)	FE132_490TG	20.65	132 (Half Cut Cells)	1500		
								FE132_495TG	20.87				

S. No.	Name of the Manufacturer	Location of Manufacturing Facility	BIS Registration No.	Enlisted Capacity (MWs / Year)	S. No.	Type of Module	Applied Model	Enlisted Models	Module Efficiency (%)	No. of Cells in Module	System Voltage (in Volt)	Validity						
												From	To (subject to valid BIS Registration; else deemed to be delisted)					
						(Glass to Glass)		FE132_500TG	21.08			22.12.2025	21.12.2029					
								FE132_505TG	21.29									
								FE132_510TG	21.50									
								FE132_515TG	21.71									
								FE132_520TG	21.92									
								FE132_525TG	22.13									
								FE132_530TG	22.34									
								FE132_535TG	22.55									
					iv	Bifacial N-Type TOPCon Module (Glass to Glass)	FE120_465TG (465Wp)	FE120_445TG	20.57	120 (Half Cut Cells)	1500							
								FE120_450TG	20.80									
								FE120_460TG	21.26									
								FE120_465TG	21.49									
								FE120_470TG	21.72									
								FE120_475TG	21.95									
								FE120_480TG	22.18									
								FE120_485TG	22.42									
8	M/s ZNSHINE SOLARWORLD PRIVATE LIMITED (New Additiomn in ALMM)	KH. NO. 132, 137, 138, 139M & 147, VARDHMAN INDUSTRIAL ESTATE, VILLAGE BAHADARPUR SAINI, NEAR PATANJALI YOGPEETH, TEH: ROORKEE, HARIDWAR, UTTARAKHAND,India-249401	R-83012947	1552	i	Bifacial N-Type TOPCon Module (Glass to Glass)	SW-DG156THC-625W (625 Wp)	SW-DG156THC-645W	23.07	156 (Half Cut Cells) 182.2 mm X 91.875 mm	1500	22.12.2025	21.12.2029					
								SW-DG156THC-640W	22.90									
								SW-DG156THC-635W	22.72									
								SW-DG156THC-630W	22.54									
								SW-DG156THC-625W	22.36									
								SW-DG156THC-620W	22.18									
								SW-DG156THC-615W	22.00									
								SW-DG156THC-610W	21.82									
								SW-DG156THC-605W	21.64									
								SW-DG156THC-600W	21.46									
								ii	Bifacial N-Type TOPCon Module (Glass to Glass)					SW-DG144THC-585W (585 Wp)	SW-DG144THC-600W	23.23	144 (Half Cut cells) 182.2 mm X 91.875 mm	1500
															SW-DG144THC-595W	23.03		
															SW-DG144THC-590W	22.84		
															SW-DG144THC-585W	22.65		
															SW-DG144THC-580W	22.45		
															SW-DG144THC-575W	22.26		
iii	Bifacial N-Type TOPCon Module (Glass to Glass)	SW-DG132THC-685W (685 Wp)	SW-DG144THC-570W	22.07	132 (Half Cut cells) 210 mm X 105 mm	1500												
			SW-DG132THC-715W	23.02														
			SW-DG132THC-710W	22.86														
			SW-DG132THC-705W	22.70														
			SW-DG132THC-700W	22.53														
			SW-DG132THC-695W	22.37														
			SW-DG132THC-690W	22.21														
			SW-DG132THC-685W	22.05														
			SW-DG132THC-680W	21.89														
			SW-DG132THC-675W	21.73														
iv	Bifacial N-Type TOPCon Module (Glass to Glass)	SW-DG132THC-610W (610 Wp)	SW-DG132THC-670W	21.57	132 (Half Cut cells) 182.3 mm X 105 mm	1500												
			SW-DG132THC-665W	21.41														
			SW-DG132THC-660W	21.25														
			SW-DG132THC-655W	21.09														
			SW-DG132THC-650W	20.92														
			SW-DG132THC-640W	23.69														
													SW-DG132THC-635W	23.51				
													SW-DG132THC-630W	23.32				
								SW-DG132THC-625W	23.14									

S. No.	Name of the Manufacturer	Location of Manufacturing Facility	BIS Registration No.	Enlisted Capacity (MWs / Year)	S. No.	Type of Module	Applied Model	Enlisted Models	Module Efficiency (%)	No. of Cells in Module	System Voltage (in Volt)	Validity	
												From	To (subject to valid BIS Registration; else deemed to be delisted)
								SW-DG132THC-620W	22.95				
								SW-DG132THC-615W	22.77				
								SW-DG132THC-610W	22.58				
								SW-DG132THC-605W	22.40				
								SW-DG132THC-600W	22.21				
								SW-DG132THC-595W	22.03				
								SW-DG132THC-590W	21.84				
								SW-DG132THC-585W	21.66				
								SW-DG132THC-580W	21.47				
9	M/s Goldi Sun Private Limited (New Addition in ALMM)	BLOCK/ SURVEY NO 252/P2, CITY SURVEY NO NA251, NA248/P2, NA246,NA250,NA249,NA241, NATIONAL HIGHWAY-48, TA, MANGROL, NA, GUJARAT, INDIA -394115	R-72014966	3384	i	Bifacial N-Type TOPCon Module (Glass to Glass)	LR8-GS-66HGD-630 (630 Wp)	LR8-GS-66HGD-600	22.40	132 (Half Cut Cells)	1500	22.12.2025	21.12.2029
								LR8-GS-66HGD-605	22.40				
								LR8-GS-66HGD-610	22.58				
								LR8-GS-66HGD-615	22.77				
								LR8-GS-66HGD-620	22.95				
								LR8-GS-66HGD-625	23.14				
								LR8-GS-66HGD-630	23.32				
								LR8-GS-66HGD-635	23.51				
								FPS590-144GT	22.87	144 (Half Cut Cells)	1500	21.04.2025	20.04.2029
								FPS585-144GT	22.68				
10	M/s Fujiyama Power Systems Limited (Formerly Fujiyama Power Systems Private Limited) (Model Addition)	51,52,SECTOR-ECOTECH-1,ECOTECH EXTN-1,GREATER NOIDA,GAUTAM BUDDHA NAGAR,UTTAR PRADESH, India 201310	R-93037940	355	i	Bifacial N-Type TOPCon Module (Glass to Glass)	FPS590-144GT (590 Wp)	FPS580-144GT	22.48				
								FPS575-144GT	22.29				
								FPS570-144GT	22.09				
								FPS560-144GT	21.71				
								FPS550-144GT	21.32				
					ii	Bifacial N-Type TOPCon Module (Glass to Backsheet)	FPS590-144BT (590 Wp)	FPS590-144BT	22.87	144 (Half Cut Cells)	1500		
								FPS585-144BT	22.68				
								FPS580-144BT	22.48				
								FPS575-144BT	22.29				
								FPS570-144BT	22.09				
								FPS560-144BT	21.71				
								FPS555-144BT	21.51				
								FPS550-144BT	21.32				
								FPS525-132BT	21.91	132 (Half Cut Cells)	1500		
			R-93022209		iv	Bifacial N-Type TOPCon Module (Glass to Backsheet)	UTL510-132BT (510 Wp)	UTL490-132BT	20.66	132 (Half Cut Cells)	1500		
								UTL495-132BT	20.87				
								UTL500-132BT	21.08				
								UTL510-132BT	21.51				
								UTL515-132BT	21.72				
					v	Bifacial N-Type TOPCon Module (Glass to Backsheet)	UTL540-132BT (540 Wp)	UTL520-132BT	21.93	132 (Half Cut Cells)	1500		
								UTL530-132BT	22.35				
								UTL535-132BT	22.56				
								UTL540-132BT	22.77				
								UTL545-132BT	22.98				
								UTL550-132BT	23.19				
								UTL555-132BT	23.40				
								UTL560-132BT	23.62				