

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: 02nd December, 2024

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;

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. No. 283/22/2023-GRID SOLAR/Pt dated 10.05.2023 and O.M. of even no. dated 22.03.2024 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 requirement for crystalline-Silicon technology based Solar PV Modules	Minimum Module Efficiency requirement for Cadmium Telluride Thin Film technology based Solar PV Modules
Category I	Utility / Grid Scale Power Plants	20.0%	19.00%
Category II	Rooftop and Solar Pumping	19.5%	18.50%
Category III	Solar Lighting	19.0%	18.00%

3. Post the O.M. dated 10.05.2023 and subsequent O.M. dated 22.03.2024, 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 28.10.2024.

5. The List – I (Manufacturers and Models of Solar PV Modules) of ALMM Order, 2019 is hereby further revised and the Revision-XXXI of same is enclosed at Annexure-I. The details of provisional enlistments granted by MNRE in ALMM List-I are 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_registration.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

List of Manufacturers and Models of Solar PV Modules Enlisted under ALMM Order (As on 02.12.2024)

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	Emmvee Photovoltaic Power Pvt. Ltd.	#13/1, International Airport Road (Bellary Road), Bettahalsuru Post, Bengaluru-562157, Karnataka	R-62001074	512	i	Mono C-Si PERC Modules	E390M72 (390 Wp)	E385M72	19.20	72 (Full Cells)	1500	10.03.2023	09.03.2027
								E390M72	19.45				
					ii	Mono C-Si PERC Modules	E325M60 (325 Wp)	E395M72	19.70	60 (Full Cells)	1500	10.03.2023	09.03.2027
								E320M60	19.04				
2	M/s Sova Solar Ltd.	Layout Plot No: 25, E.P.I.P, Banskopa, Durgapur 713212, West Bengal, India.	R-51000590	532	i	Mono C-Si PERC Modules	SS535144HCMP (535Wp)	SS520144HCMP	20.16	144 (Half-Cut Cells)	1500	10.03.2023	09.03.2027
								SS525144HCMP	20.35				
								SS530144HCMP	20.54				
								SS535144HCMP	20.74				
								SS540144HCMP	20.93				
								SS545144HCMP	21.13				
								SS550144HCMP	21.32				
								SS555144HCMP	21.51				
								SS520144HCBP	20.16				
								SS525144HCBP	20.35				
								SS530144HCBP	20.54				
								SS535144HCBP	20.74				
					SS540144HCBP	20.93							
					SS545144HCBP	21.13							
					SS550144HCBP	21.32							
					SS555144HCBP	21.51							
					ii	Mono C-Si PERC Bifacial Modules	SS535144HCBP (535Wp)	SS520144HCMP	20.16	144 (Half-Cut Cells)	1500	10.03.2023	09.03.2027
								SS525144HCMP	20.35				
								SS530144HCMP	20.54				
								SS535144HCMP	20.74				
								SS540144HCMP	20.93				
								SS545144HCMP	21.13				
					iii	Bifacial Mono c-Si PERC Modules (Glass to Transparent Backsheet)	SS535144HCMP (535Wp)	SS520144HCMP	20.16	144 (Half-Cut Cells)	1500	10.03.2023	09.03.2027
								SS525144HCMP	20.35				
SS530144HCMP	20.54												
SS535144HCMP	20.74												
SS540144HCMP	20.93												
SS545144HCMP	21.13												
3	M/s Solex Energy Ltd	Plot No. 131/A Phase-1, G.I.D.C, Vitthal Udyognagar, Anand, Gujarat	R-72002577	21	i	Mono C-Si PERC Modules	SESM24375 (375 Wp)	SESM24370	19.04	72 (Full Cells)	1000	10.03.2023	09.03.2027
								SESM24375	19.30				
					ii	Mono C-Si PERC Modules	SES20CM120W320 (320 Wp)	SESM24380	19.55	120 (Half Cells)	1000	10.03.2023	09.03.2027
								SES20CM120W320	19.21				
4	Saatvik Green Energy Pvt. Ltd.	Village Dubli, Tehshil- Barara, Dist- Ambala -133101, Haryana	R-91003670	1740	i	Mono C-Si PERC Modules	SGE 190-36M (190 Wp)	SES24CM144W375	19.01	144 (Half Cells)	1000	10.03.2023	09.03.2027
								SES24CM144W380	19.30				
								SES24CM144W385	19.51				
								SGE 285-54M (285 Wp)	19.49				
ii	Mono C-Si PERC Modules	SGE 255-48M (255 Wp)	SGE 310-60M	19.08	60 (Full Cells)	1500	10.03.2023	09.03.2027					
			SGE 315-60M	19.41									
iii	Mono C-Si PERC Modules	SGE 285-54M (285 Wp)	SGE 370-72M	19.09	72 (Full Cells)	1500	10.03.2023	09.03.2027					
			SGE 375-72M	19.35									
4	Saatvik Green Energy Pvt. Ltd.	Village Dubli, Tehshil- Barara, Dist- Ambala -133101, Haryana	R-91003670	1740	iv	Mono C-Si PERC Modules	SGE 315-60M (315 Wp)	SGE 380-72M	19.61	156 (Half Cut Cells)	1500	10.03.2023	09.03.2027
								SGE555-156MHC	19.78				
								SGE560-156MHC	19.96				
								SGE565-156MHC	20.14				
								SGE570-156MHC	20.32				
								SGE575-156MHC	20.50				
					v	Mono C-Si PERC Modules	SGE 375-72M (375 Wp)	SGE580-156MHC	20.67	144 (Half Cut Cells)	1500	10.03.2023	09.03.2027
								SGE585-156MHC	20.85				
								SGE590-156MHC	21.03				
								SGE520-144MHC	20.13				
								SGE525-144MHC	20.32				
								SGE530-144MHC	20.52				
vi	Mono C-Si PERC Modules	SGE570-156MHC, (570 Wp)	SGE535-144MHC	20.70	144 (Half Cut Cells)	1500	10.03.2023	09.03.2027					
			SGE540-144MHC	20.90									
			SGE545-144MHC	21.10									
			SGE550-144MHC	21.29									
			SGE470-132MHC	19.78									
			SGE530-144MHC, (530 Wp)	20.70									

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)
					viii	Mono C-Si PERC Modules	SGE485-132MHC, (485 Wp)	SGE475-132MHC	20.01	132 (Half Cut Cells)	1500	10.03.2023	09.03.2027
								SGE480-132MHC	20.23				
								SGE485-132MHC	20.41				
								SGE490-132MHC	20.63				
								SGE495-132MHC	20.84				
								SGE500-132MHC	21.05				
					ix	Mono C-Si PERC Modules	SGE440-120MHC, (440 Wp)	SGE420-120MHC	19.37	120 (Half Cut Cells)	1500	10.03.2023	09.03.2027
								SGE425-120MHC	19.60				
								SGE430-120MHC	19.83				
								SGE435-120MHC	20.06				
								SGE440-120MHC	20.29				
								SGE445-120MHC	20.52				
					x	Mono C-Si PERC Modules	SGE395-108MHC, (395 Wp)	SGE450-120MHC	20.76	108 (Half Cut Cells)	1500	10.03.2023	09.03.2027
								SGE455-120MHC	20.99				
								SGE380-108MHC	19.44				
								SGE385-108MHC	19.69				
								SGE390-108MHC	19.95				
								SGE395-108MHC	20.20				
xi	Mono C-Si PERC Modules	SGE 395-72M, (395 Wp)	SGE400-108MHC	20.46	72 (Full Cell)	1500	10.03.2023	09.03.2027					
			SGE405-108MHC	20.71									
			SGE410-108MHC	20.98									
			SGE 385-72M	19.22									
xii	Bifacial Mono c-Si PERC Modules (Glass to Transparent Backsheet)	SGE535-144MBHC (535 Wp)	SGE 390-72M	19.47	144 (Half Cut Cells)	1500	10.03.2023	09.03.2027					
			SGE 395-72M	19.72									
			SGE 400-72M	19.97									
			SGE525-144MBHC	20.32									
			SGE530-144MBHC	20.52									
xiii	Bifacial N Type TOPCon Module	SGE425-108TGG (425 Wp)	SGE535-144MBHC	20.71	108 (Half Cut Cells)	1500	10.03.2023	09.03.2027					
			SGE540-144MBHC	20.90									
			SGE545-144MBHC	21.10									
			SGE550-144MBHC	21.29									
			SGE410-108TGG	20.97									
			SGE415-108TGG	21.22									
xiv	Bifacial N Type TOPCon Module	SGE475-120TGG (475 Wp)	SGE420-108TGG	21.48	120 (Half Cut Cells)	1500	10.03.2023	09.03.2027					
			SGE425-108TGG	21.74									
			SGE430-108TGG	21.99									
			SGE435-108TGG	22.25									
			SGE440-108TGG	22.51									
			SGE460-120TGG	21.21									
			SGE465-120TGG	21.46									
xv	Bifacial N Type TOPCon Module	SGE520-132TGG (520 Wp)	SGE475-120TGG	21.91	132 (Half Cut Cells)	1500	10.03.2023	09.03.2027					
			SGE480-120TGG	22.14									
			SGE485-120TGG	22.37									
			SGE490-120TGG	22.60									
			SGE510-132TGG	21.46									
			SGE515-132TGG	21.67									
xvi	Bifacial N Type TOPCon Module	SGE575-144TGG (575 Wp)	SGE520-132TGG	21.88	144 (Half Cut Cells)	1500	10.03.2023	09.03.2027					
			SGE525-132TGG	22.09									
			SGE530-132TGG	22.30									
			SGE535-132TGG	22.51									
			SGE560-144TGG	21.68									
			SGE565-144TGG	21.87									
			SGE570-144TGG	22.06									
xvii	Bifacial N Type TOPCon Module	SGE615-156TGG (615 Wp)	SGE575-144TGG	22.26	156 (Half Cut Cells)	1500	10.03.2023	09.03.2027					
			SGE580-144TGG	22.45									
			SGE585-144TGG	22.64									
			SGE590-144TGG	22.84									
			SGE600-156TGG	21.47									
			SGE605-156TGG	21.65									
xviii	Mono c-Si PERC Module	SGE500-144 MHC (500 Wp)	SGE615-156TGG	22.01	144 (Half Cut Cells)	1500	10.03.2023	09.03.2027					
			SGE620-156TGG	22.19									
5	Navitas Green Solutions Pvt. Ltd.	Plot No. B-20/3, Road No. 13, 14, Palsana-Baleswar Rd, Hoziwala Industrial Estate, Sachin, Surat-394230,	R-72003140	250	i	Mono C-Si PERC Modules	NSM375 (375 Wp)	SGE625-156TGG	22.37	72 (Full Cells)	1500	10.03.2023	09.03.2027
								NSM370	19.07				
								NSM375	19.33				
								NSM380	19.58				

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)
		Gujarat			ii	Mono C-Si PERC Modules	NSM320-60 (320 Wp)	NSM310-60 NSM315-60 NSM320-60 NSM325-60 NSM330-60 NSM340-66	19.09 19.40 19.71 20.02 20.33 19.03	60 (Full Cells)	1500	10.03.2023	09.03.2027
					iii	Mono C-Si PERC Modules	NSM350-66 (350 Wp)	NSM345-66 NSM350-66 NSM355-66	19.31 19.59 19.87	66 (Full Cells)	1500	10.03.2023	09.03.2027
					iv	Mono PERC C-Si Module	NSM580-156 (580 Wp)	NSM570-156 NSM575-156 NSM580-156 NSM585-156	20.39 20.57 20.74 20.92	156 (Half Cut Cells)	1500	10.03.2023	09.03.2027
					v	Mono PERC C-Si Module	NSM540-144 (540 Wp)	NSM525-144 NSM530-144 NSM535-144 NSM540-144 NSM545-144 NSM550-144	20.32 20.51 20.71 20.90 21.09 21.29	144 (Half Cut Cells)	1500	10.03.2023	09.03.2027
					vi	Mono PERC C-Si Module	NSM500-132 (500 Wp)	NSM555-144 NSM560-144 NSM480-132 NSM485-132 NSM490-132 NSM495-132 NSM500-132	21.48 21.67 20.21 20.42 20.64 20.85 21.06	132 (Half Cut Cells)	1500	10.03.2023	09.03.2027
					vii	Mono PERC C-Si Module	NSM445-120 (445 Wp)	NSM435-120 NSM440-120 NSM445-120 NSM450-120 NSM455-120	20.09 20.33 20.56 20.79 21.02	120 (Half Cut Cells)	1500	10.03.2023	09.03.2027
					viii	Mono PERC C-Si Module	NSM400-108 (400 Wp)	NSM390-108 NSM395-108 NSM400-108 NSM405-108 NSM410-108	19.96 20.21 20.47 20.72 20.98	108 (Half Cut Cells)	1500	10.03.2023	09.03.2027
					ix	Mono PERC C-Si Module	NSM360-96 (360 Wp)	NSM350-96 NSM355-96 NSM360-96 NSM365-96	20.06 20.35 20.64 20.92	96 (Half Cut Cells)	1500	10.03.2023	09.03.2027
					x	Mono PERC C-Si Module	NSM270-72 (270 Wp)	NSM260-72 NSM265-72 NSM270-72 NSM275-72	19.62 20.00 20.38 20.76	72 (Half Cut Cells)	1500	10.03.2023	09.03.2027
					xi	Mono PERC C-Si Module	NSM470-156 (470 Wp)	NSM460-156 NSM465-156 NSM470-156 NSM475-156 NSM480-156 NSM485-156	19.65 19.86 20.07 20.29 20.50 20.72	156 (Half Cut Cells)	1500	10.03.2023	09.03.2027
					xii	Mono PERC C-Si Module	NSM450-144 (450 Wp)	NSM445-144 NSM440-144 NSM445-144 NSM450-144 NSM455-144 NSM460-144 NSM465-144	20.08 20.32 20.78 20.55 21.01 21.64 21.47	144 (Half Cut Cells)	1500	10.03.2023	09.03.2027
					xiii	Mono PERC C-Si Module	NSM405-132 (405 Wp)	NSM395-132 NSM400-132 NSM405-132 NSM410-132 NSM415-132	19.85 20.10 20.35 20.60 20.85	132 (Half Cut Cells)	1500	10.03.2023	09.03.2027
					xiv	Mono PERC C-Si Module	NSM370-120 (370 Wp)	NSM360-120 NSM365-120 NSM370-120 NSM375-120	19.84 20.11 20.39 20.66	120 (Half Cut Cells)	1500	10.03.2023	09.03.2027
					xv	Mono PERC C-Si Module	NSM330-108 (330 Wp)	NSM320-108 NSM325-108 NSM330-108 NSM335-108 NSM340-108	19.52 19.82 20.13 20.43 20.74	108 (Half Cut Cells)	1500	10.03.2023	09.03.2027

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)
					xvi	Mono PERC C-Si Module	NSM290-96 (290 Wp)	NSM285-96	19.47	96 (Half Cut Cells)	1500	10.03.2023	09.03.2027
								NSM290-96	19.81				
								NSM295-96	20.15				
								NSM300-96	20.49				
					xvii	Mono PERC C-Si Module	NSM220-72 (220 Wp)	NSM215-72	19.32	72 (Half Cut Cells)	1500	10.03.2023	09.03.2027
								NSM220-72	19.77				
								NSM225-72	20.22				
								NSM385	19.40				
					xviii	Mono PERC C-Si Module	NSM395 (395 Wp)	NSM390	19.65	72 (Full Cells)	1500	10.03.2023	09.03.2027
								NSM395	19.90				
								NSM400	20.15				
								JH-420M	19.26				
6	Jakson Engineers Ltd.	Plot No-25, Ecotech-III, Udyog Kendra, Greater NOIDA-201306, Gautam Budha Nagar, Uttar Pradesh, India.	R-93005959	1162	i	Mono C-Si PERC Modules	JH-440M, (440Wp)	JH-425M	19.49	120 (Half-Cut Cells)	1500	17.08.2023	16.08.2027
								JH-430M	19.71				
								JH-435M	19.94				
								JH-440M	20.17				
								JH-445M	20.40				
								JH-450M	20.63				
								JH-455M	20.86				
								JH-460M	21.09				
								JH-470M	19.66				
								JH-475M	19.87				
								JH-480M	20.08				
								JH-485M	20.29				
JH-490M	20.50												
JH-495M	20.71												
JH-500M	20.92												
JH-505M	21.13												
JH-510M	21.34												
ii	Mono C-Si PERC Modules	JH-490M, (490Wp)	JH-515M	19.85	132 (Half-Cut Cells)	1500	17.08.2023	16.08.2027					
			JH-520M	20.04									
			JH-525M	20.23									
			JH-530M	20.43									
			JH-535M	20.62									
			JH-540M	20.81									
			JH-545M	21.00									
			JH-550M	21.20									
			JH-555M	21.39									
			JH-580M	20.67									
			JH-585M	20.85									
			JH-590M	21.03									
JH-595M	21.21												
JH-600M	21.38												
iii	Mono C-Si PERC Modules	JH-535M, (535Wp)	JP-H385M	19.37	144 (Half-Cut Cells)	1500	17.08.2023	16.08.2027					
			JP-H390M	19.62									
			JP-H395M	19.87									
			JP-H400M	20.12									
			JP-H405M	20.37									
			JH-380M	19.28									
			JH-385M	19.53									
			JH-390M	19.79									
			JH-395M	20.04									
			JH-400M	20.29									
			JH-405M	20.55									
			JH-410M	20.88									
JH-415M	21.06												
iv	Mono C-Si PERC Modules	JH-580M, (580Wp)	JH-380BB	19.48	156 (Half-Cut Cells)	1500	17.08.2023	16.08.2027					
			JH-385BB	19.73									
			JH-390BB	19.99									
			JH-395BB	20.25									
			JH-400BB	20.50									
			JH-405BB	20.76									
			JH-410BB	21.01									
			JH-415BB	21.27									
			JH-420BB	19.39									
			JH-425BB	19.62									
			JH-430BB	19.85									
			JH-435BB	20.08									
v	Mono C-Si PERC Modules	JP-H395M, (385Wp-405Wp)	JH-440BB	20.31	108 (Half-Cut Cells)	1500	17.08.2023	16.08.2027					
			JH-445BB	20.54									
			JH-450BB	20.77									
			JH-455BB	21.00									
			JH-380M	19.28									
			JH-385M	19.53									
			JH-390M	19.79									
			JH-395M	20.04									
			JH-400M	20.29									
			JH-405M	20.55									
			JH-410M	20.88									
			JH-415M	21.06									
vi	Mono C-Si PERC Modules	JH-400M, (400Wp)	JH-380BB	19.48	108 (Half Cut Cells)	1500	17.08.2023	16.08.2027					
			JH-385BB	19.73									
			JH-390BB	19.99									
			JH-395BB	20.25									
			JH-400BB	20.50									
			JH-405BB	20.76									
			JH-410BB	21.01									
			JH-415BB	21.27									
			JH-420BB	19.39									
			JH-425BB	19.62									
			JH-430BB	19.85									
			JH-435BB	20.08									
vii	Mono c-Si Bifacial PERC Module	JH-400BB	JH-440BB	20.31	120 (Half Cut Cells)	1500	17.08.2023	16.08.2027					
			JH-445BB	20.54									
			JH-450BB	20.77									
			JH-455BB	21.00									
			JH-380M	19.28									
			JH-385M	19.53									
			JH-390M	19.79									
			JH-395M	20.04									
			JH-400M	20.29									
			JH-405M	20.55									
			JH-410M	20.88									
			JH-415M	21.06									
viii	Mono c-Si Bifacial PERC Module	JH-440BB	JH-380BB	19.48	108 (Half Cut Cells)	1500	17.08.2023	16.08.2027					
			JH-385BB	19.73									
			JH-390BB	19.99									
			JH-395BB	20.25									
			JH-400BB	20.50									
			JH-405BB	20.76									
			JH-410BB	21.01									
			JH-415BB	21.27									
			JH-420BB	19.39									
			JH-425BB	19.62									
			JH-430BB	19.85									
			JH-435BB	20.08									

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)
								JH-460BB	21.23				
					ix	Mono c-Si Bifacial PERC Module	JH-490BB	JH-475BB	20.02	132 (Half Cut Cells)	1500	17.08.2023	16.08.2027
				JH-480BB				20.23					
				JH-485BB				20.44					
				JH-490BB				20.65					
				JH-495BB				20.86					
				JH-500BB				21.07					
				JH-505BB				21.29					
				JH-510BB				21.50					
				JH-515BB				21.71					
				JH-520BB				20.15					
				JH-525BB				20.34					
				JH-530BB				20.53					
				JH-535BB				20.73					
				JH-540BB	20.92								
				JH-545BB	21.11								
				JH-550BB	21.31								
				JH-555BB	21.50								
				JH-380BT	19.48	108 (Half Cut Cells)	1500	17.08.2023	16.08.2027				
				JH-385BT	19.73								
				JH-390BT	19.99								
				JH-395BT	20.25								
				JH-400BT	20.50								
				JH-405BT	20.76								
				JH-410BT	21.01								
				JH-415BT	21.27								
				JH-420BT	19.39								
				JH-425BT	19.62								
				JH-430BT	19.85								
				JH-435BT	20.08								
				JH-440BT	20.31								
				JH-445BT	20.54								
				JH-450BT	20.77								
				JH-455BT	21.00								
				JH-460BT	21.23								
				JH-475BT	20.02	132 (Half Cut Cells)	1500	17.08.2023	16.08.2027				
				JH-480BT	20.23								
				JH-485BT	20.44								
				JH-490BT	20.65								
				JH-495BT	20.86								
				JH-500BT	21.07								
				JH-505BT	21.29								
				JH-510BT	21.50								
				JH-515BT	21.71								
				JH-520BT	20.15								
				JH-525BT	20.34								
				JH-530BT	20.53								
				JH-535BT	20.73								
				JH-540BT	20.92								
				JH-545BT	21.11								
				JH-550BT	21.31								
				JH-555BT	21.50								
				JH-380BW	19.48	108 (Half Cut Cells)	1500	17.08.2023	16.08.2027				
				JH-385BW	19.73								
				JH-390BW	19.99								
				JH-395BW	20.25								
				JH-400BW	20.50								
				JH-405BW	20.76								
				JH-410BW	21.01								
				JH-415BW	21.27								
				JH-420BW	19.39								
				JH-425BW	19.62								
				JH-430BW	19.85								
				JH-435BW	20.08								
				JH-440BW	20.31								
				JH-445BW	20.54								
				JH-450BW	20.77								
				JH-455BW	21.00								
				JH-460BW	21.23								
				JH-475BW	20.02	120 (Half Cut Cells)	1500	17.08.2023	16.08.2027				
				JH-480BW	20.23								
				JH-485BW	20.44								
				JH-490BW	20.65								
				JH-495BW	20.86								
				JH-500BW	21.07								
				JH-505BW	21.29								
				JH-510BW	21.50								
				JH-515BW	21.71								
				JH-520BW	20.15								
				JH-525BW	20.34								
				JH-530BW	20.53								
				JH-535BW	20.73								
				JH-540BW	20.92								
				JH-545BW	21.11								
				JH-550BW	21.31								
				JH-555BW	21.50								
				JH-380BW	19.48	120 (Half Cut Cells)	1500	17.08.2023	16.08.2027				
				JH-385BW	19.73								
				JH-390BW	19.99								
				JH-395BW	20.25								
				JH-400BW	20.50								
				JH-405BW	20.76								
				JH-410BW	21.01								
				JH-415BW	21.27								
				JH-420BW	19.39								
				JH-425BW	19.62								
				JH-430BW	19.85								
				JH-435BW	20.08								
				JH-440BW	20.31								
				JH-445BW	20.54								
				JH-450BW	20.77								
				JH-455BW	21.00								
				JH-460BW	21.23								
				JH-475BW	20.02								
				JH-480BW	20.23								
				JH-485BW	20.44								

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)
					xvii	Mono c-Si Bifacial PERC Module	JH-490BW	JH-490BW JH-495BW JH-500BW JH-505BW JH-510BW JH-515BW	20.65 20.86 21.07 21.29 21.50 21.71	132 (Half Cut Cells)	1500	17.08.2023	16.08.2027
					xviii	Mono c-Si Bifacial PERC Module	JH-535BW	JH-520BW JH-525BW JH-530BW JH-535BW JH-540BW JH-545BW JH-550BW JH-555BW	20.15 20.34 20.53 20.73 20.92 21.11 21.31 21.50	144 (Half Cut Cells)	1500	17.08.2023	16.08.2027
					xix	N-Type TOPCon Module (Glass to Transparent Backsheet)	JN-420BT (420 Wp)	JN-400BT JN-405BT JN-410BT JN-415BT JN-420BT JN-425BT JN-430BT JN-435BT JN-440BT	20.50 20.76 21.01 21.27 21.53 21.78 22.04 22.29 22.55	108 (Half Cut Cells)	1500	17.08.2023	16.08.2027
					xx	N-Type TOPCon Module (Glass to Transparent Backsheet)	JN-470BT (470 Wp)	JN-445BT JN-450BT JN-455BT JN-460BT JN-465BT JN-470BT JN-475BT JN-480BT JN-485BT JN-490BT	20.54 20.77 21.00 21.23 21.46 21.70 21.93 22.16 22.39 22.62	120 (Half Cut Cells)	1500	17.08.2023	16.08.2027
					xxi	N-Type TOPCon Module (Glass to Transparent Backsheet)	JN-520BT (520 Wp)	JN-495BT JN-500BT JN-505BT JN-510BT JN-515BT JN-520BT JN-525BT JN-530BT JN-535BT	20.86 21.07 21.28 21.50 21.71 21.92 22.13 22.34 22.55	132 (Half Cut cells)	1500	17.08.2023	16.08.2027
					xxii	N-Type TOPCon Module (Glass to Transparent Backsheet)	JN-570BT (570 Wp)	JN-540BT JN-545BT JN-550BT JN-555BT JN-560BT JN-565BT JN-570BT JN-575BT JN-580BT JN-585BT JN-590BT	21.12 21.31 21.50 21.70 21.89 22.08 22.28 22.47 22.66 22.86	144 (Half Cut Cells)	1500	17.08.2023	16.08.2027
					xxiii	N-Type TOPCon Module (Glass to Glass)	JN-420G (420 Wp)	JN-400G JN-405G JN-410G JN-415G JN-420G JN-425G JN-430G JN-435G	20.50 20.76 21.01 21.27 21.53 21.78 22.04 22.29	108 (Half Cut Cells)	1500	17.08.2023	16.08.2027
					xxiv	N-Type TOPCon Module (Glass to Glass)	JN-470G (470 Wp)	JN-445G JN-450G JN-455G JN-460G JN-465G JN-470G JN-475G JN-480G JN-485G	20.54 20.77 21.00 21.23 21.46 21.70 21.93 22.16 22.39	120 (Half Cut Cells)	1500	17.08.2023	16.08.2027
								JN-495G JN-500G	20.86 21.07				

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)												
					xxv	N-Type TOPCon Module (Glass to Glass)	JN-520G (520 Wp)	JN-505G 21.28 JN-510G 21.50 JN-515G 21.71 JN-520G 21.92 JN-525G 22.13 JN-530G 22.34		132 (Half Cut cells)	1500	17.08.2023	16.08.2027												
					xxvi	N-Type TOPCon Module (Glass to Glass)	JN-570G (570 Wp)	JN-545G 21.12 JN-550G 21.31 JN-555G 21.50 JN-560G 21.70 JN-565G 21.89 JN-570G 22.08 JN-575G 22.28 JN-580G 22.47		144 (Half Cut Cells)	1500	17.08.2023	16.08.2027												
7	Insolation Energy Pvt. Ltd	Khasra No 766/2, Vill-Bagwara, Teh-Amer Jalpur, Rajasthan	R-84002330	174	i	Mono c-Si PERC Module	INA72MP375	INA72MP375 19.23		72 (Full Cells)	1500	29.09.2023	28.09.2027												
					ii	Mono c-Si PERC Module	INA72MP385	INA72MP395 19.80 INA72MP390 19.55 INA72MP385 19.30 INA72MP380 19.05		72 (Full Cells)	1500	29.09.2023	28.09.2027												
8	Gautam Solar Pvt. Ltd.	Plot No-67-70, Sector-8A IIE, Sidcul Haridwar- 249403, Uttarakhand	R-83006041	710	i	Mono c-Si PERC Modules	G2XBifacial1767-HAE (590 Wp) (595Wp)	G2XBifacial1734-HAE 20.20 G2XBifacial1741-HAE 20.38 G2XBifacial1747-HAE 20.56 G2XBifacial1754-HAE 20.74 G2XBifacial1760-HAE 20.92 G2XBifacial1767-HAE 21.10 G2XBifacial1773-HAE 21.28		156 (Half Cut Cells)	1500	29.09.2023	28.09.2027												
								ii	Mono c-Si PERC Modules	G2XBifacial1695-HAD (535 Wp) (510Wp-550Wp)	G2XBifacial1663-HAD 19.74 G2XBifacial1669-HAD 19.94 G2XBifacial1676-HAD 20.13 G2XBifacial1682-HAD 20.32 G2XBifacial1689-HAD 20.52 G2XBifacial1695-HAD 20.71 G2XBifacial1702-HAD 20.90 G2XBifacial1708-HAD 21.10 G2XBifacial1715-HAD 21.29		144 (Half Cut Cells)	1500	29.09.2023	28.09.2027									
											iii	Mono c-Si PERC Modules	G2XBifacial1643-HAB (495 Wp) (485Wp-505Wp)	G2XBifacial1656-HAB 21.13 G2XBifacial1650-HAB 20.92 G2XBifacial1643-HAB 20.71 G2XBifacial1637-HAB 20.50 G2XBifacial1630-HAB 20.29		132 (Half Cut Cells)	1500	29.09.2023	28.09.2027						
														iv	Mono c-Si PERC Modules	G2XBifacial1585-HAA (450 Wp) (440Wp-460Wp)	G2XBifacial1598-HAA 21.09 G2XBifacial1591-HAA 20.87 G2XBifacial1585-HAA 20.64 G2XBifacial1578-HAA 20.41 G2XBifacial1572-HAA 20.18		120 (Half Cut Cells)	1500	29.09.2023	28.09.2027			
																	v	Mono c-Si PERC Modules	G2XBifacial1526-HAY (405 Wp) (390Wp-415Wp)	G2XBifacial1539-HAY 21.06 G2XBifacial1533-HAY 20.80 G2XBifacial1526-HAY 20.55 G2XBifacial1520-HAY 20.30 G2XBifacial1507-HAY 19.79		108 (Half Cut Cells)	1500	29.09.2023	28.09.2027
																				vi	Mono c-Si PERC Modules	G2XBifacial1468-HAX (360 Wp) (365Wp-350Wp)	G2XBifacial1474-HAX 20.71 G2XBifacial1468-HAX 20.43 G2XBifacial1461-HAX 20.14 G2XBifacial1455-HAX 19.86		96 (Half Cut Cells)
											vii	Mono c-Si PERC Modules	G2X590-HAE (590 Wp)										G2X565-HAE 20.20 G2X570-HAE 20.38 G2X575-HAE 20.56 G2X580-HAE 20.74 G2X585-HAE 20.92 G2X590-HAE 21.10 G2X595-HAE 21.28		156 (Half Cut Cells)
														viii	Mono c-Si PERC Modules	G2X530-HAD (530 Wp)							G2X510-HAD 19.74 G2X515-HAD 19.94 G2X520-HAD 20.13 G2X525-HAD 20.32 G2X530-HAD 20.52 G2X535-HAD 20.71 G2X540-HAD 20.90 G2X545-HAD 21.10		144 (Half Cut Cells)

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)
								G2X550-HAD	21.29				
					ix	Mono c-Si PERC Modules	G2X495-HAB (495 Wp)	G2X505-HAB	21.13	132 (Half Cut Cells)	1500	29.09.2023	28.09.2027
				G2X500-HAB				20.92					
				G2X495-HAB				20.71					
				G2X490-HAB				20.50					
				G2X485-HAB				20.29					
				x	Mono c-Si PERC Modules	G2X450-HAA (450 Wp)	G2X460-HAA	21.09	120 (Half Cut Cells)	1500	29.09.2023	28.09.2027	
							G2X455-HAA	20.87					
							G2X450-HAA	20.64					
							G2X445-HAA	20.41					
							G2X440-HAA	20.18					
				xi	Mono c-Si PERC Modules	G2X405-HAY (405 Wp)	G2X415-HAY	21.06	108 (Half Cut Cells)	1500	29.09.2023	28.09.2027	
							G2X410-HAY	20.80					
							G2X405-HAY	20.55					
							G2X400-HAY	20.30					
							G2X390-HAY	19.79					
				xii	Mono c-Si PERC Modules	G2X360-HAX (360 Wp)	G2X365-HAX	20.71	96 (Half Cut Cells)	1500	29.09.2023	28.09.2027	
							G2X360-HAX	20.43					
							G2X355-HAX	20.14					
				xiii	Mono c-Si PERC Modules	GS-420-AAA (420 Wp)	G2X350-HAX	19.86	78 (Full Cells)	1500	29.09.2023	28.09.2027	
							GS-410-AAA	19.03					
							GS-415-AAA	19.26					
							GS-420-AAA	19.49					
							GS-425-AAA	19.72					
				xiv	Mono c-Si PERC Modules	GS-400-AAB (400 Wp)	GS-430-AAA	19.95	72 (Full Cells)	1500	29.09.2023	28.09.2027	
							GS-380-AAB	19.13					
							GS-385-AAB	19.39					
							GS-390-AAB	19.64					
							GS-395-AAB	19.89					
							GS-400-AAB	20.14					
							GS-405-AAB	20.39					
							GS-410-AAB	20.64					
							GS-415-AAB	20.90					
							GS-420-AAB	21.15					
				xv	Mono c-Si PERC Modules	GS-360-AAC (360 Wp)	GS-350-AAC	19.13	66 (Full Cells)	1500	29.09.2023	28.09.2027	
							GS-355-AAC	19.40					
							GS-360-AAC	19.67					
							GS-365-AAC	19.95					
				xvi	Mono c-Si PERC Modules	GS-330-AAD (330 Wp)	GS-320-AAD	19.16	60 (Full Cells)	1500	29.09.2023	28.09.2027	
							GS-325-AAD	19.46					
							GS-330-AAD	19.76					
							GS-335-AAD	20.06					
				xvii	Mono c-Si PERC Modules	GS-295-AAE (295 Wp)	GS-290-AAE	19.21	54 (Full Cells)	1500	29.09.2023	28.09.2027	
							GS-295-AAE	19.54					
							GS-300-AAE	19.87					
				xviii	Mono c-Si PERC Modules	GS-260-AAF (260 Wp)	GS-260-AAF	19.26	48 (Full Cells)	1500	29.09.2023	28.09.2027	
							GS-265-AAF	19.63					
				xix	Mono c-Si PERC Modules	GS-230-AAG (230 Wp)	GS-230-AAG	19.33	42 (Full Cells)	1500	29.09.2023	28.09.2027	
				xx	Mono c-Si PERC Modules	GS-200-AAH (200 Wp)	GS-195-AAH	19.26	36 (Full Cells)	1500	29.09.2023	28.09.2027	
							GS-200-AAH	19.75					
							GS-205-AAH	20.25					
							GS-210-AAH	20.74					
							G2X590-HAD	22.82					
							G2X1767-UHAD	22.78					
							G2X588-HAD	22.74					
							G2X587-HAD	22.70					
							G2X1758T-UHAD	22.66					
							G2X585-HAD	22.63					
							G2X1752-UHAD	22.59					
							G2X583-HAD	22.55					
							G2X582-HAD	22.51					
							G2X1743T-UHAD	22.47					
							G2X580-HAD	22.43					
							G2X1737-UHAD	22.39					
							G2X578-HAD	22.36					
							G2X577-HAD	22.32					
							G2X1728T-UHAD	22.28					
							G2X575-HAD	22.24					

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)
					xxi	N-Type TOPCon Module	G2X575-HAD (575Wp) (551Wp-590Wp)	G2X1722-UHAD 22.20 G2X573-HAD 22.16 G2X572-HAD 22.12 G2X1713T-UHAD 22.08 G2X570-HAD 22.05 G2X1707-UHAD 22.01 G2X568-HAD 21.97 G2X567-HAD 21.93 G2X1698T-UHAD 21.89 G2X565-HAD 21.85 G2X1692-UHAD 21.81 G2X563-HAD 21.78 G2X562-HAD 21.74 G2X1683T-UHAD 21.70 G2X560-HAD 21.66 G2X1677-UHAD 21.62 G2X558-HAD 21.58 G2X557-HAD 21.54 G2X1668T-UHAD 21.50 G2X555-HAD 21.47 G2X1662-UHAD 21.43 G2X553-HAD 21.39 G2X552-HAD 21.35 G2X1653T-UHAD 21.31	22.20 22.16 22.12 22.08 22.05 22.01 21.97 21.93 21.89 21.85 21.81 21.78 21.74 21.70 21.66 21.62 21.58 21.54 21.50 21.47 21.43 21.39 21.35 21.31	144 (Half Cut Cells)	1500	29.09.2023	28.09.2027
					xxii	N-Type TOPCon Module	G2X480-HAA (480 Wp) (461Wp-495Wp)	G2X495-HAA 22.70 G2X1482-UHAA 22.65 G2X493-HAA 22.61 G2X492-HAA 22.56 G2X1473T-UHAA 22.52 G2X490-HAA 22.47 G2X1467-UHAA 22.42 G2X488-HAA 22.38 G2X487-HAA 22.33 G2X1458T-UHAA 22.29 G2X485-HAA 22.24 G2X1452-UHAA 22.19 G2X483-HAA 22.15 G2X482-HAA 22.10 G2X1443T-UHAA 22.06 G2X480-HAA 22.01 G2X1437-UHAA 21.97 G2X478-HAA 21.92 G2X477-HAA 21.87 G2X1428T-UHAA 21.83 G2X475-HAA 21.78 G2X1422-UHAA 21.74 G2X473-HAA 21.69 G2X472-HAA 21.64 G2X1413T-UHAA 21.60 G2X470-HAA 21.55 G2X1407-UHAA 21.51 G2X468-HAA 21.46 G2X467-HAA 21.42 G2X1398T-UHAA 21.37 G2X465-HAA 21.32 G2X1392-UHAA 21.28 G2X463-HAA 21.23 G2X462-HAA 21.19 G2X1383T-UHAA 21.14	22.70 22.65 22.61 22.56 22.52 22.47 22.42 22.38 22.33 22.29 22.24 22.19 22.15 22.10 22.06 22.01 21.97 21.92 21.87 21.83 21.78 21.74 21.69 21.64 21.60 21.55 21.51 21.46 21.42 21.37 21.32 21.28 21.23 21.19 21.14	120 (Half Cut Cells)	1500	29.09.2023	28.09.2027
								G2X450-HAY 22.83 G2X1347-UHAY 22.78 G2X448-HAY 22.73 G2X447-HAY 22.68 G2X1338T-UHAY 22.63 G2X445-HAY 22.58 G2X1332-UHAY 22.53 G2X443-HAY 22.48 G2X442-HAY 22.43 G2X1323T-UHAY 22.38 G2X440-HAY 22.32 G2X1317-UHAY 22.27 G2X438-HAY 22.22	22.83 22.78 22.73 22.68 22.63 22.58 22.53 22.48 22.43 22.38 22.32 22.27 22.22				

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)
					xxiii	N-Type TOPCon Module	G2X430-HAY (430 Wp) (416Wp-450Wp)	G2X437-HAY 22.17 G2X1308T-UHAY 22.12 G2X435-HAY 22.07 G2X1302-UHAY 22.02 G2X433-HAY 21.97 G2X432-HAY 21.92 G2X1293T-UHAY 21.87 G2X430-HAY 21.82 G2X1287-UHAY 21.77 G2X428-HAY 21.72 G2X427-HAY 21.67 G2X1278T-UHAY 21.61 G2X425-HAY 21.56 G2X1272-UHAY 21.51 G2X423-HAY 21.46 G2X422-HAY 21.41 G2X1263T-UHAY 21.36 G2X420-HAY 21.31 G2X1257-UHAY 21.26 G2X418-HAY 21.21 G2X417-HAY 21.16 G2X1248T-UHAY 21.11	22.17 22.12 22.07 22.02 21.97 21.92 21.87 21.82 21.77 21.72 21.67 21.61 21.56 21.51 21.46 21.41 21.36 21.31 21.26 21.21 21.16 21.11	108 (Half Cut Cells)	1500	29.09.2023	28.09.2027
					xxiv	Bifacial N-Type TOPCon Module (Glass to Glass)	G2G1740-HAD (580WP) (567Wp - 590Wp)	G2G1770-HAD 22.82 G2G1767-UHAD 22.78 G2G1764N-UHAD 22.74 G2G1761B-UHAD 22.70 G2G1758NB-UHAD 22.66 G2G1755-HAD 22.63 G2G1752-UHAD 22.59 G2G1749N-UHAD 22.55 G2G1746B-UHAD 22.51 G2G1743NB-UHAD 22.47 G2G1740-HAD 22.43 G2G1737-UHAD 22.39 G2G1734N-UHAD 22.36 G2G1731B-UHAD 22.32 G2G1728NB-UHAD 22.28 G2G1725-HAD 22.24 G2G1722-UHAD 22.20 G2G1719N-UHAD 22.16 G2G1716B-UHAD 22.12 G2G1713NB-UHAD 22.08 G2G1710-HAD 22.05 G2G1707-UHAD 22.01 G2G1704N-UHAD 21.97 G2G1701B-UHAD 21.93	22.82 22.78 22.74 22.70 22.66 22.63 22.59 22.55 22.51 22.47 22.43 22.39 22.36 22.32 22.28 22.24 22.20 22.16 22.12 22.08 22.05 22.01 21.97 21.93	144 (Half Cut Cells)	1500	29.09.2023	28.09.2027
					xxv	Bifacial N-Type TOPCon Module (Glass to Glass)	G2G1560-HAB (520Wp) (496Wp - 545Wp)	G2G1635-HAB 22.80 G2G1632-UHAB 22.76 G2G1629N-UHAB 22.72 G2G1626B-UHAB 22.67 G2G1623NB-UHAB 22.63 G2G1620-HAB 22.59 G2G1617-UHAB 22.55 G2G1614N-UHAB 22.51 G2G1611B-UHAB 22.46 G2G1608NB-UHAB 22.42 G2G1605-HAB 22.38 G2G1602-UHAB 22.34 G2G1599N-UHAB 22.30 G2G1596B-UHAB 22.26 G2G1593NB-UHAB 22.21 G2G1590-HAB 22.17 G2G1587-UHAB 22.13 G2G1584N-UHAB 22.09 G2G1581B-UHAB 22.05 G2G1578NB-UHAB 22.00 G2G1575-HAB 21.96 G2G1572-UHAB 21.92 G2G1569N-UHAB 21.88 G2G1566B-UHAB 21.84 G2G1563NB-UHAB 21.79 G2G1560-HAB 21.75	22.80 22.76 22.72 22.67 22.63 22.59 22.55 22.51 22.46 22.42 22.38 22.34 22.30 22.26 22.21 22.17 22.13 22.09 22.05 22.00 21.96 21.92 21.88 21.84 21.79 21.75	132 (Half Cut Cells)	1500	29.09.2023	28.09.2027

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)
								G2G1557-UHAB	21.71				
								G2G1554N-UHAB	21.67				
								G2G1551B-UHAB	21.63				
								G2G1548NB-UHAB	21.59				
								G2G1545-HAB	21.54				
								G2G1542-UHAB	21.50				
								G2G1539N-UHAB	21.46				
								G2G1536B-UHAB	21.42				
								G2G1533NB-UHAB	21.38				
								G2G1530-HAB	21.33				
								G2G1527-UHAB	21.29				
								G2G1524N-UHAB	21.25				
								G2G1521B-UHAB	21.21				
								G2G1518NB-UHAB	21.17				
								G2G1515-HAB	21.13				
								G2G1512-UHAB	21.08				
								G2G1509N-UHAB	21.04				
								G2G1506B-UHAB	21.00				
								G2G1503NB-UHAB	20.96				
								G2G1500-HAB	20.92				
								G2G1497-UHAB	20.87				
								G2G1494N-UHAB	20.83				
								G2G1491B-UHAB	20.79				
								G2G1488NB-UHAB	20.75				
								G2G1485-HAB	20.71				
								G2G1482-UHAB	20.67				
								G2G1479N-UHAB	20.62				
								G2G1476B-UHAB	20.58				
								G2G1473NB-UHAB	20.54				
								G2G1470-HAB	20.50				
								G2G1467-UHAB	20.46				
								G2G1464N-UHAB	20.41				
								G2G1461B-UHAB	20.37				
								G2G1458NB-UHAB	20.33				
								G2G1455-HAB	20.29				
								G2G1452-UHAB	20.25				
								G2G1449N-UHAB	20.21				
								G2G1446B-UHAB	20.16				
								G2G1443NB-UHAB	20.12				
								G2G1440-HAB	20.08				
								G2G1425-HAB	19.87				
								G2G1410-HAB	19.66				
								G2G1485-HAA	22.70				
								G2G1482-UHAA	22.65				
								G2G1479N-UHAA	22.61				
								G2G1476B-UHAA	22.56				
								G2G1473NB-UHAA	22.52				
								G2G1470-HAA	22.47				
								G2G1467-UHAA	22.42				
								G2G1464N-UHAA	22.38				
								G2G1461B-UHAA	22.33				
								G2G1458NB-UHAA	22.29				
								G2G1455-HAA	22.24				
								G2G1452-UHAA	22.19				
								G2G1449N-UHAA	22.15				
								G2G1446B-UHAA	22.10				
								G2G1443NB-UHAA	22.06				
								G2G1440-HAA	22.01				
								G2G1437-UHAA	21.97				
								G2G1434N-UHAA	21.92				
								G2G1431B-UHAA	21.87				
								G2G1428NB-UHAA	21.83				
								G2G1425-HAA	21.78				
								G2G1422-UHAA	21.74				
								G2G1419N-UHAA	21.69				
								G2G1416B-UHAA	21.64				
								G2G1413NB-UHAA	21.60				
								G2G1410-HAA	21.55				
								G2G1407-UHAA	21.51				
								G2G1404N-UHAA	21.46				
								G2G1401B-UHAA	21.42				
								G2G1398NB-UHAA	21.37				
					xxvi	Bifacial N-Type TOPCon Module (Glass to Glass)	G2G1470-HAB (490Wp) (470Wp - 495Wp)	G2G1485-HAB G2G1482-UHAB G2G1479N-UHAB G2G1476B-UHAB G2G1473NB-UHAB G2G1470-HAB G2G1467-UHAB G2G1464N-UHAB G2G1461B-UHAB G2G1458NB-UHAB G2G1455-HAB G2G1452-UHAB G2G1449N-UHAB G2G1446B-UHAB G2G1443NB-UHAB G2G1440-HAB G2G1425-HAB G2G1410-HAB	20.71 20.67 20.62 20.58 20.54 20.50 20.46 20.41 20.37 20.33 20.29 20.25 20.21 20.16 20.12 20.08 19.87 19.66	132 (Half Cut Cells)	1500	29.09.2023	28.09.2027
					xxvii	Bifacial N-Type TOPCon Module (Glass to Glass)	G2G1422-UHAA (474Wp) (451Wp - 495Wp)	G2G1485-HAA G2G1482-UHAA G2G1479N-UHAA G2G1476B-UHAA G2G1473NB-UHAA G2G1470-HAA G2G1467-UHAA G2G1464N-UHAA G2G1461B-UHAA G2G1458NB-UHAA G2G1455-HAA G2G1452-UHAA G2G1449N-UHAA G2G1446B-UHAA G2G1443NB-UHAA G2G1440-HAA G2G1437-UHAA G2G1434N-UHAA G2G1431B-UHAA G2G1428NB-UHAA G2G1425-HAA G2G1422-UHAA G2G1419N-UHAA G2G1416B-UHAA G2G1413NB-UHAA G2G1410-HAA G2G1407-UHAA G2G1404N-UHAA G2G1401B-UHAA	22.70 22.65 22.61 22.56 22.52 22.47 22.42 22.38 22.33 22.29 22.24 22.19 22.15 22.10 22.06 22.01 21.97 21.92 21.87 21.83 21.78 21.74 21.69 21.64 21.60 21.55 21.51 21.46 21.42	120 (Half Cut Cells)	1500	29.09.2023	28.09.2027

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)
								G2G1395-HAA	21.32				
								G2G1392-UHAA	21.28				
								G2G1389N-UHAA	21.23				
								G2G1386B-UHAA	21.19				
								G2G1383NB-UHAA	21.14				
								G2G1380-HAA	21.09				
								G2G1377-UHAA	21.05				
								G2G1374N-UHAA	21.00				
								G2G1371B-UHAA	20.96				
								G2G1368NB-UHAA	20.91				
								G2G1365-HAA	20.87				
								G2G1362-UHAA	20.82				
								G2G1359N-UHAA	20.77				
								G2G1356B-UHAA	20.73				
								G2G1353NB-UHAA	20.68				
					xxviii	Bifacial N-Type TOPCon Module (Glass to Glass)	G2G1335-HAA (445Wp) (440Wp - 450Wp)	G2G1350-HAA	20.64	120 (Half Cut Cells)	1500	29.09.2023	28.09.2027
								G2G1347-UHAA	20.59				
								G2G1344N-UHAA	20.54				
								G2G1341B-UHAA	20.50				
								G2G1338NB-UHAA	20.45				
								G2G1335-HAA	20.41				
								G2G1332-UHAA	20.36				
								G2G1329N-UHAA	20.31				
								G2G1326B-UHAA	20.27				
								G2G1323NB-UHAA	20.22				
								G2G1320-HAA	20.18				
								G2G1350-HAY	22.83				
								G2G1347-UHAY	22.78				
								G2G1344N-UHAY	22.73				
								G2G1341B-UHAY	22.68				
								G2G1338NB-UHAY	22.63				
								G2G1335-HAY	22.58				
								G2G1332-UHAY	22.53				
								G2G1329N-UHAY	22.48				
								G2G1326B-UHAY	22.43				
								G2G1323NB-UHAY	22.38				
								G2G1320-HAY	22.32				
								G2G1317-UHAY	22.27				
								G2G1314N-UHAY	22.22				
								G2G1311B-UHAY	22.17				
								G2G1308NB-UHAY	22.12				
								G2G1305-HAY	22.07				
								G2G1302-UHAY	22.02				
					xxix	Bifacial N-Type TOPCon Module (Glass to Glass)	G2G1290-HAY (430Wp) (410Wp - 450Wp)	G2G1299N-UHAY	21.97	108 (Half Cut Cells)	1500	29.09.2023	28.09.2027
								G2G1296B-UHAY	21.92				
								G2G1293NB-UHAY	21.87				
								G2G1290-HAY	21.82				
								G2G1287-UHAY	21.77				
								G2G1284N-UHAY	21.72				
								G2G1281B-UHAY	21.67				
								G2G1278NB-UHAY	21.61				
								G2G1275-HAY	21.56				
								G2G1272-UHAY	21.51				
								G2G1269N-UHAY	21.46				
								G2G1266B-UHAY	21.41				
								G2G1263NB-UHAY	21.36				
								G2G1260-HAY	21.31				
								G2G1257-UHAY	21.26				
								G2G1254N-UHAY	21.21				
								G2G1251B-UHAY	21.16				
								G2G1248NB-UHAY	21.11				
								G2G1245-HAY	21.06				
								G2G1230-HAY	20.80				
								G2G1215-HAY	20.55				
					xxx	Bifacial N-Type TOPCon Module (Glass to Glass)	G2G1185-HAY (395Wp) (390Wp - 405Wp)	G2G1200-HAY	20.30	108 (Half Cut Cells)	1500	29.09.2023	28.09.2027
								G2G1185-HAY	20.04				
								G2G1170-HAY	19.79				
								G2G1200-HAX	22.70				
								G2G1197-UHAX	22.64				
								G2G1194N-UHAX	22.58				
								G2G1191B-UHAX	22.53				
								G2G1188NB-UHAX	22.47				

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)
					xxxi	Bifacial N-Type TOPCon Module (Glass to Glass)	G2G1155-HAX (385Wp) (371Wp - 400Wp)	G2G1185-HAX 22.41 G2G1182-UHAX 22.36 G2G1179N-UHAX 22.30 G2G1176B-UHAX 22.24 G2G1173NB-UHAX 22.19 G2G1170-HAX 22.13 G2G1167-UHAX 22.07 G2G1164N-UHAX 22.02 G2G1161B-UHAX 21.96 G2G1158NB-UHAX 21.90 G2G1155-HAX 21.85 G2G1152-UHAX 21.79 G2G1149N-UHAX 21.73 G2G1146B-UHAX 21.68 G2G1143NB-UHAX 21.62 G2G1140-HAX 21.56 G2G1125-HAX 21.28 G2G1122-UHAX 21.22 G2G1119N-UHAX 21.17 G2G1116B-UHAX 21.11 G2G1113NB-UHAX 21.05	22.41 22.36 22.30 22.24 22.19 22.13 22.07 22.02 21.96 21.90 21.85 21.79 21.73 21.68 21.62 21.56 21.28 21.22 21.17 21.11 21.05	96 (Half Cut Cells)	1500	29.09.2023	28.09.2027
					xxxii	Bifacial N-Type TOPCon Module (Glass to Glass)	G2G1065-HAX (355Wp) (340Wp - 370Wp)	G2G1110-HAX 21.00 G2G1107-UHAX 20.94 G2G1104N-UHAX 20.88 G2G1101B-UHAX 20.83 G2G1098NB-UHAX 20.77 G2G1095-HAX 20.71 G2G1092-UHAX 20.66 G2G1089N-UHAX 20.60 G2G1086B-UHAX 20.54 G2G1083NB-UHAX 20.49 G2G1080-HAX 20.43 G2G1077-UHAX 20.37 G2G1074N-UHAX 20.32 G2G1071B-UHAX 20.26 G2G1068NB-UHAX 20.20 G2G1065-HAX 20.14 G2G1062-UHAX 20.09 G2G1059N-UHAX 20.03 G2G1056B-UHAX 19.97 G2G1053NB-UHAX 19.92 G2G1050-HAX 19.86 G2G1035-HAX 19.58 G2G1020-HAX 19.29 G2G1050-HAC 22.53	21.00 20.94 20.88 20.83 20.77 20.71 20.66 20.60 20.54 20.49 20.43 20.37 20.32 20.26 20.20 20.14 20.09 20.03 19.97 19.92 19.86 19.58 19.29 22.53	96 (Half Cut Cells)	1500	29.09.2023	28.09.2027
					xxxiii	Bifacial N-Type TOPCon Module (Glass to Glass)	G2G1005-HAC (335Wp) (321Wp - 350Wp)	G2G1047-UHAC 22.46 G2G1044N-UHAC 22.40 G2G1041B-UHAC 22.34 G2G1038NB-UHAC 22.27 G2G1035-HAC 22.21 G2G1032-UHAC 22.14 G2G1029N-UHAC 22.08 G2G1026B-UHAC 22.01 G2G1023NB-UHAC 21.95 G2G1020-HAC 21.88 G2G1017-UHAC 21.82 G2G1014N-UHAC 21.76 G2G1011B-UHAC 21.69 G2G1008NB-UHAC 21.63 G2G1005-HAC 21.56 G2G1002-UHAC 21.50 G2G999N-UHAC 21.43 G2G996B-UHAC 21.37 G2G993NB-UHAC 21.31 G2G990-HAC 21.24 G2G987-UHAC 21.18 G2G984N-UHAC 21.11 G2G981B-UHAC 21.05 G2G978NB-UHAC 20.98 G2G975-HAC 20.92 G2G972-UHAC 20.86 G2G969N-UHAC 20.79	22.46 22.40 22.34 22.27 22.21 22.14 22.08 22.01 21.95 21.88 21.82 21.76 21.69 21.63 21.56 21.50 21.43 21.37 21.31 21.24 21.18 21.11 21.05 20.98 20.92 20.86 20.79	84 (Half Cut Cells)	1500	29.09.2023	28.09.2027

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)
								G2G966B-UHAC	20.73				
								G2G963NB-UHAC	20.66				
					xxxiv	Bifacial N-Type TOPCon Module (Glass to Glass)	G2G930-HAC (310Wp) (300Wp - 320Wp)	G2G960-HAC	20.60	84 (Half Cut Cells)	1500	29.09.2023	28.09.2027
				G2G957-UHAC				20.53					
				G2G954N-UHAC				20.47					
				G2G951B-UHAC				20.40					
				G2G948NB-UHAC				20.34					
				G2G945-HAC				20.28					
				G2G942-UHAC				20.21					
				G2G939N-UHAC				20.15					
				G2G936B-UHAC				20.08					
				G2G933NB-UHAC				20.02					
				G2G930-HAC				19.95					
				G2G915-HAC				19.63					
				G2G912-UHAC				19.57					
				G2G909N-UHAC				19.50					
				G2G906B-UHAC				19.44					
				G2G903NB-UHAC				19.37					
				G2G900-HAC				19.31					
				G2G915-HAF	22.68								
				G2G912-UHAF	22.60								
				G2G909N-UHAF	22.53								
				G2G906B-UHAF	22.45								
				G2G903NB-UHAF	22.38								
				G2G900-HAF	22.31								
				G2G897-UHAF	22.23								
				G2G894N-UHAF	22.16								
				G2G891B-UHAF	22.08								
				G2G888NB-UHAF	22.01								
				G2G885-HAF	21.93								
				G2G882-UHAF	21.86								
				G2G879N-UHAF	21.79								
				G2G876B-UHAF	21.71								
				G2G873NB-UHAF	21.64								
				G2G870-HAF	21.56								
				G2G867-UHAF	21.49								
				G2G864N-UHAF	21.41								
				G2G861B-UHAF	21.34								
				G2G858NB-UHAF	21.27								
				G2G855-HAF	21.19								
				G2G852-UHAF	21.12								
				G2G849N-UHAF	21.04								
				G2G846B-UHAF	20.97								
				G2G843NB-UHAF	20.89								
				G2G840-HAF	20.82								
				G2G825-HAF	20.45								
				G2G810-HAF	20.08								
				G2G795-HAF	19.70								
				G2G780-HAF	19.33								
				G2X1770N-UHAD	22.82								
				G2X1767N-UHAD	22.78								
				G2X1764N-UHAD	22.74								
				G2X1761N-UHAD	22.70								
				G2X1758N-UHAD	22.66								
				G2X1755N-UHAD	22.63								
				G2X1752N-UHAD	22.59								
				G2X1749N-UHAD	22.55								
				G2X1746N-UHAD	22.51								
				G2X1743N-UHAD	22.47								
				G2X1740N-UHAD	22.43								
				G2X1737N-UHAD	22.39								
				G2X1734N-UHAD	22.35								
				G2X1731N-UHAD	22.32								
				G2X1728N-UHAD	22.28								
				G2X1725N-UHAD	22.24								
				G2X1722N-UHAD	22.20								
				G2X1719N-UHAD	22.16								
				G2X1716N-UHAD	22.12								
				G2X1713N-UHAD	22.08								
				G2X1710N-UHAD	22.04								
				G2X1707N-UHAD	22.01								
				G2X1704N-UHAD	21.97								

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)					
9	Novasys Greenergy Pvt. Ltd	Khasra No. 185, Mouza: Mahalgaon, Tehsil: Kamptee, Nagpur-441202,	R-71010499	442	xxxviii	Bifacial N-Type TOPCon Module (Glass to Transparent Backsheet)	G2X1590N-UHAB (530Wp - 550Wp)	G2X1701N-UHAD	21.93	132 (Half Cut Cells)	1500	29.09.2023	28.09.2027					
								G2X1650N-UHAB	23.01									
								G2X1647N-UHAB	22.97									
								G2X1644N-UHAB	22.92									
								G2X1641N-UHAB	22.88									
								G2X1638N-UHAB	22.84									
								G2X1635N-UHAB	22.80									
								G2X1632N-UHAB	22.76									
								G2X1629N-UHAB	22.71									
								G2X1626N-UHAB	22.67									
								G2X1623N-UHAB	22.63									
								G2X1620N-UHAB	22.59									
								G2X1617N-UHAB	22.55									
								G2X1614N-UHAB	22.51									
								G2X1611N-UHAB	22.46									
								G2X1608N-UHAB	22.42									
								G2X1605N-UHAB	22.38									
								G2X1590N-UHAB	22.17									
								G2X1575N-UHAB	21.96									
								G2X1560N-UHAB	21.75									
								G2X1545N-UHAB	21.54									
								G2X1530N-UHAB	21.33									
								G2X1515N-UHAB	21.12									
								G2X1500N-UHAA	22.93									
								G2X1497N-UHAA	22.88									
								G2X1494N-UHAA	22.84									
								G2X1491N-UHAA	22.79									
								G2X1488N-UHAA	22.74									
								G2X1485N-UHAA	22.70									
								G2X1482N-UHAA	22.65									
					G2X1479N-UHAA	22.61												
					G2X1476N-UHAA	22.56												
					G2X1473N-UHAA	22.51												
					G2X1470N-UHAA	22.47												
					G2X1467N-UHAA	22.42												
					G2X1464N-UHAA	22.38												
					G2X1461N-UHAA	22.33												
					G2X1458N-UHAA	22.29												
					G2X1455N-UHAA	22.24												
					G2X1440N-UHAA	22.01												
					G2X1425N-UHAA	21.78												
					G2X1410N-UHAA	21.55												
					G2X1350N-UHAY	22.83												
					G2X1347N-UHAY	22.78												
					G2X1344N-UHAY	22.73												
					G2X1341N-UHAY	22.68												
					G2X1338N-UHAY	22.63												
					G2X1335N-UHAY	22.58												
					G2X1332N-UHAY	22.53												
					G2X1329N-UHAY	22.48												
					G2X1326N-UHAY	22.43												
					G2X1323N-UHAY	22.37												
					G2X1320N-UHAY	22.32												
					G2X1305N-UHAY	22.07												
					G2X1290N-UHAY	21.82												
					G2X1275N-UHAY	21.56												
					G2X1200N-UHAX	22.70												
					G2X1185N-UHAX	22.41												
					G2X1170N-UHAX	22.13												
					G2X1155N-UHAX	21.85												
					G2X1140N-UHAX	21.56												
					G2X1050N-UHAC	22.53												
					G2X1035N-UHAC	22.21												
					G2X1020N-UHAC	21.88												
					G2X1005N-UHAC	21.56												
					G2X915N-UHAF	22.68												
					G2X900N-UHAF	22.31												
					G2X885N-UHAF	21.93												
					G2X870N-UHAF	21.56												
					G2X855N-UHAF	21.19												
										i	Mono c-Si PERC Modules	NOVA195MP36 (195Wp)	NOVA195MP36	19.4	36 (Full Cell)	1500	10.11.2023	09.11.2027