

F. No. 283/54/2018-GRID SOLAR-Part(1)
भारत सरकार / Government of India
नवीन और नवीकरणीय ऊर्जा मंत्रालय / Ministry of New & Renewable Energy
ग्रिड सौर ऊर्जा प्रभाग / Grid Solar Power Division

Block No. 14, C.G.O. Complex,
Lodhi Road, New Delhi – 110003.
Dated: 18th August, 2022

OFFICE MEMORANDUM

Sub: Updation of List I (Manufacturers and Models of Solar PV Modules) of ALMM Order, 2019 - Reg.

Reference is invited to this Ministry's O.M. 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. The List - I (Manufacturers and Models of Solar PV Modules) of ALMM Order, 2019 has been updated vide this Ministry's O.M.s of even no. dated 17.08.2021, 29.09.2021, 10.11.2021, 30.12.2021, 04.03.2022 and 05.04.2022.
3. This Ministry has further updated the List - I (Manufacturers and Models of Solar PV Modules) of ALMM Order, 2019 as on 18.08.2022, i.e. Revision - VII and the same is enclosed herewith as Annexure - I.
4. This is being issued with the approval of Hon'ble Minister (NRE & Power).



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To: All Concerned

CC: 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 18.08.2022)

S. No.	Name of the Manufacturer	Location of Manufacturing Facility	Enlisted Capacity (MWs / Year)	S. No.	Type of Module	Applied Model	Enlisted Models	No. of Cells in Module	System Voltage (in Volt)	Validity								
										From	To							
1	Mundra Solar PV Ltd.	Tunda, Mundra SEZ, Mundra, Gujarat, India	1100	i	Multi C-Si Modules	ENCORE Series, ASP-7-335 (335 Wp)	ASP-7-325	72 (Full Cells)	1500	10.03.2021	09.03.2023							
							ASP-7-330											
							ASP-7-335											
							ASP-7-340											
							ASP-7-345											
				ASP-7-350														
				ii	Mono C-Si PERC Modules	ETERNAL Series, ASM-7-PERC-375 (375 Wp)	ASM-7-PERC-360	72 (Full Cells)	1500	10.03.2021	09.03.2023							
							ASM-7-PERC-365											
							ASM-7-PERC-370											
							ASM-7-PERC-375											
ASM-7-PERC-380																		
ASM-7-PERC-385																		
ASM-7-PERC-390																		
2	Vikram Solar Ltd.	Falta SEZ, South 24 Parganas, West Bengal, India	1050	i	Multi Crystalline Silicon Module	Eldora VSP.72.330.05 (330 Wp)	VSP.72.320.05	72 (Full Cells)	1500	10.03.2021	09.03.2023							
							VSP.72.325.05											
							VSP.72.330.05											
							VSP.72.335.05											
							VSP.72.340.05											
							VSP.72.345.05											
				ii	Multi Crystalline Silicon Module	Eldora VSPH.72.345.05 (345 Wp)	VSPH.72.340.05	144 (Half Cut Cells)	1500	10.03.2021	09.03.2023							
							VSPH.72.345.05											
							VSPH.72.350.05											
				iii	Mono Crystalline Silicon Module	Somera VSM.72.370.05 (370 Wp)	VSM.72.370.05	72 (Full Cells)	1500	10.03.2021	09.03.2023							
							VSM.72.375.05											
				iv	Mono Crystalline Silicon Module	Somera VSMH.72.390.05 (390 Wp)	VSMH.72.380.05	144 (Half Cut Cells)	1500	10.03.2021	09.03.2023							
							VSMH.72.385.05											
							VSMH.72.390.05											
							VSMH.72.395.05											
							VSMH.72.400.05											
				v	Mono Crystalline Silicon Module	PREXOS VSMDHT.72.445.05 (445Wp)	PREXOS VSMDHT.72.435.05	144 (Half Cut Cells)	1500	10.03.2021	09.03.2023							
							PREXOS VSMDHT.72.440.05											
							PREXOS VSMDHT.72.445.05											
							PREXOS VSMDHT.72.450.05											
				vi	Mono Crystalline Silicon Module	SOMERA VSMH.72.440.05 (440Wp)	SOMERA VSMH.72.430.05	144 (Half Cut Cells)	1500	10.03.2021	09.03.2023							
							SOMERA VSMH.72.435.05											
SOMERA VSMH.72.440.05																		
SOMERA VSMH.72.445.05																		
SOMERA VSMH.72.450.05																		
3	Bharat Electronics Ltd.	Jalahalli, Bengaluru, Karnataka, India	10	i	Multi C-Si Module	BEP-A.320 (320 Wp)	BEP-A.310	72 (Full Cells)	1500	10.03.2021	09.03.2023							
							BEP-A.315											
							BEP-A.320											
							BEP-A.325											
							BEP-A.330											
				BEP-A.335														
				ii	Mono C-Si Module	BE-A.320 (320 Wp)	BE-A.310	72 (Full Cells)	1500	10.03.2021	09.03.2023							
							BE-A.315											
							BE-A.320											
							BE-A.325											
BE-A.330																		
BE-A.335																		
4	Emmvee Photovoltaic Power Pvt. Ltd.	Bettahalasuru, Bengaluru, Karnataka, India	500	i	Multi C-Si Module	E335P72 (335 Wp)	E320P72	72 (Full Cells)	1500	10.03.2021	09.03.2023							
							E325P72											
							E330P72											
							E335P72											
							E340P72											
							E345P72											
							E350P72											
							ii					Multi C-Si Module	E280P60 (280 Wp)	E270P60	60 (Full Cells)	1500	10.03.2021	09.03.2023

List of Manufacturers and Models of Solar PV Modules enlisted under ALMM Order (As on 18.08.2022)

S. No.	Name of the Manufacturer	Location of Manufacturing Facility	Enlisted Capacity (MWs / Year)	S. No.	Type of Module	Applied Model	Enlisted Models	No. of Cells in Module	System Voltage (in Volt)	Validity	
										From	To
							Orb370M72 Orb375M72 Orb380M72 Orb385M72				
				viii	Mono C-Si Module	Orb305M60 (305 Wp)	Orb290M60 Orb295M60 Orb300M60 Orb305M60 Orb310M60 Orb315M60 Orb320M60	60 (Full Cells)	1000	10.03.2021	09.03.2023
				ix	Mono C-Si PERC	Orb440M72-15, (440Wp)	Orb440M72-15 (440 Wp)	72 (Full Cells)	1500	10.03.2021	09.03.2023
				x	Mono C-Si PERC Modules	Orb400M72-15, (400Wp)	Orb400M72-15 (400Wp) Orb395M72-15 (395Wp) Orb390M72-15 (390Wp)	72 (Full Cells)	1500	10.03.2021	09.03.2023
6	Tata Power Solar Systems Ltd.	Plot No. 43(P) & 44(P) Phase II, Electronic City, Hosur Road, Bangalore- 560100, Karnataka, India	710	i	Multi C-Si Module	TP330LBZ (330 Wp)	TP315LBZ	72 (Full Cells)	1000	10.03.2021	09.03.2023
							TP320LBZ				
							TP325LBZ				
							TP330LBZ				
							TP335LBZ				
							TP340LBZ				
							TP345LBZ				
				ii	Multi C-Si Module	TP330LBZ(H) (330 Wp)	TP315LBZ(H)	72 (Full Cells)	1500	10.03.2021	09.03.2023
							TP320LBZ(H)				
							TP325LBZ(H)				
							TP330LBZ(H)				
							TP335LBZ(H)				
							TP340LBZ(H)				
							TP345LBZ(H)				
				iii	Multi C-Si Module	TP295VBZ(H) (295 Wp)	TP285VBZ(H)	66 (Full Cells)	1500	10.03.2021	09.03.2023
							TP290VBZ(H)				
							TP295VBZ(H)				
							TP300VBZ(H)				
							TP305VBZ(H)				
				iv	Multi C-Si Module	TP260MBZ(H) (260 Wp)	TP250MBZ(H)	60 (Full Cells)	1500	10.03.2021	09.03.2023
							TP255MBZ(H)				
							TP260MBZ(H)				
							TP265MBZ(H)				
							TP270MBZ(H)				
				v	Mono C-Si PERC Module	TP380LGZ(H) (380 Wp)	TP365LGZ(H)	72 (Full Cells)	1500	10.03.2021	09.03.2023
							TP370LGZ(H)				
							TP375LGZ(H)				
							TP380LGZ(H)				
TP385LGZ(H)											
TP390LGZ(H)											
TP395LGZ(H)											
vi	Mono C-Si PERC	TP355RGZ(H), (355Wp)	TP340RGZ(H)	120 (Half-Cut Cells)	1500	10.03.2021	09.03.2023				
			TP345RGZ(H)								
			TP350RGZ(H)								
			TP355RGZ(H)								
			TP360RGZ(H)								
			TP365RGZ(H)								
			TP370RGZ(H)								
vii	Mono C-Si PERC	TP395HGZ(H), (395Wp)	TP380HGZ(H)	144 (Half-Cut Cells)	1500	10.03.2021	09.03.2023				
			TP385HGZ(H)								
			TP390HGZ(H)								
			TP395HGZ(H)								
			TP400HGZ(H)								
			TP405HGZ(H)								
			TP410HGZ(H)								
			TP415HGZ(H)								
			TP420HGZ(H)								
			TP425HGZ(H)								

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S. No.	Name of the Manufacturer	Location of Manufacturing Facility	Enlisted Capacity (MWs / Year)	S. No.	Type of Module	Applied Model	Enlisted Models	No. of Cells in Module	System Voltage (in Volt)	Validity					
										From	To				
				viii	Mono C-Si PERC	TP435HGZ(H), (435Wp)	TP430HGZ(H) TP435HGZ(H) TP440HGZ(H) TP445HGZ (H) TP450HGZ(H) TP455HGZ(H)	144 (Half-Cut Cells)	1500	10.03.2021	09.03.2023				
				ix	Mono C-Si PERC	TP470VG10, (470Wp)	TP450VG10 TP455VG10 TP460VG10 TP465VG10 TP470VG10 TP475VG10 TP480VG10 TP485VG10 TP490VG10	132 (Half-Cut Cells)	1500	10.03.2021	09.03.2023				
7	Swelect Energy Systems Ltd.	Dabaspet, Nelamangala, Bengaluru, Karnataka, India	140	i	Multi C-Si Module	HST36F165P (165 Wp)	HST36F160P HST36F165P HST36F170P	36 (Full Cells)	1000	10.03.2021	09.03.2023				
				ii	Multi C-Si Module	HST60F275P (275 Wp)	HST60F265P HST60F270P HST60F275P HST60F280P HST60F285P	60 (Full Cells)	1000	10.03.2021	09.03.2023				
				iii	Multi C-Si Module	HST72F330P (330 Wp)	HST72F320P HST72F325P HST72F330P HST72F335P HST72F340P HST72F345P	72 (Full Cells)	1000	10.03.2021	09.03.2023				
				iv	Multi C-Si Module	HST72F300P (300 Wp)	HST72F300P	72 (Full Cells)	1000	10.03.2021	09.03.2023				
				v	Mono C-Si Module	HST36F190M (190 Wp)	HST36F185M HST36F190M HST36F195M	36 (Full Cells)	1000	10.03.2021	09.03.2023				
				vi	Mono C-Si Module	HST60F310M (310 Wp)	HST60F295M HST60F300M HST60F305M HST60F310M HST60F315M HST60F320M HST60F325M	60 (Full Cells)	1000	10.03.2021	09.03.2023				
				vii	Mono C-Si Module	HST72F375M (375 Wp)	HST72F360M HST72F365M HST72F370M HST72F375M HST72F380M HST72F385M HST72F390M	72 (Full Cells)	1000	10.03.2021	09.03.2023				
				viii	Mono C-Si Module	HST72F395M (395 Wp)	HST72F395M	72 (Full Cells)	1000	10.03.2021	09.03.2023				
				8	RenewSys India Pvt. Ltd.	FAB City, Hyderabad, Telangana, India	750	i	Multi C-Si Module	DESERV 3M6-330 (330 Wp)	DESERV 3M6-315 DESERV 3M6-320 DESERV 3M6-325 DESERV 3M6-330 DESERV 3M6-335 DESERV 3M6-340 DESERV 3M6-345	72 (Full Cells)	1000	10.03.2021	09.03.2023
								ii	Multi C-Si Module	DESERV 3M6H-330 (330 Wp)	DESERV 3M6H-315 DESERV 3M6H-320 DESERV 3M6H-325 DESERV 3M6H-330 DESERV 3M6H-335 DESERV 3M6H-340 DESERV 3M6H-345	72 (Full Cells)	1500	10.03.2021	09.03.2023

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S. No.	Name of the Manufacturer	Location of Manufacturing Facility	Enlisted Capacity (MWs / Year)	S. No.	Type of Module	Applied Model	Enlisted Models	No. of Cells in Module	System Voltage (in Volt)	Validity	
										From	To
				iii	Multi C-Si Module	DESERV MGALACTIC-345 (345 Wp)	DESERV MGALACTIC-330	144 (Half Cut Cells)	1500	10.03.2021	09.03.2023
							DESERV MGALACTIC-335				
							DESERV MGALACTIC-340				
							DESERV MGALACTIC-345				
							DESERV MGALACTIC-350				
							DESERV MGALACTIC-355				
				iv	Mono C-Si Module	DESERV 3S6-360 (360 Wp)	DESERV 3S6-345	72 (Full Cells)	1000	10.03.2021	09.03.2023
							DESERV 3S6-350				
							DESERV 3S6-355				
							DESERV 3S6-360				
							DESERV 3S6-365				
							DESERV 3S6-370				
				v	Mono C-Si Module	DESERV 3S6H-360 (360 Wp)	DESERV 3S6H-345	72 (Full Cells)	1500	10.03.2021	09.03.2023
							DESERV 3S6H-350				
							DESERV 3S6H-355				
							DESERV 3S6H-360				
DESERV 3S6H-365											
DESERV 3S6H-370											
vi	Mono C-Si Module	DESERV SGALACTIC-375 (375 Wp)	DESERV SGALACTIC-360	144 (Half Cut Cells)	1500	10.03.2021	09.03.2023				
			DESERV SGALACTIC-365								
			DESERV SGALACTIC-370								
			DESERV SGALACTIC-375								
			DESERV SGALACTIC-380								
			DESERV SGALACTIC-385								
9	Premier Energies Ltd.	Annaram, Medak, Telangana, India	482	i	Multi C-Si Module	PSS-24340 (340 Wp)	PSS-24325	72 (Full Cells)	1500	10.03.2021	09.03.2023
							PSS-24330				
							PSS-24335				
							PSS-24340				
							PSS-24345				
							PSS-24350				
				ii	Multi C-Si Module	PSS-24305 (305 Wp)	PSS-24355	72 (Full Cells)	1500	10.03.2021	09.03.2023
							PSS-24290				
							PSS-24295				
							PSS-24300				
							PSS-24305				
							PSS-24310				
				iii	Multi C-Si Module	PSS-24250 (250 Wp)	PSS-24315	72 (Cut Cells)	1500	10.03.2021	09.03.2023
							PSS-24320				
							PSS-24240				
							PSS-24245				
iv	Multi C-Si Module	PSS-24200 (200 Wp)	PSS-24250	72 (Cut Cells)	1500	10.03.2021	09.03.2023				
			PSS-24255								
			PSS-24260								
			PSS-24190								
			PSS-24195								
			PSS-24200								
v	Multi C-Si Module	PSS-24150 (150 Wp)	PSS-24205	72 (Cut Cells)	1500	10.03.2021	09.03.2023				
			PSS-24210								
			PSS-24145								
vi	Multi C-Si Module	PSS-24340HC (340 Wp)	PSS-24155	144 (Half Cut Cells)	1500	10.03.2021	09.03.2023				
			PSS-24325HC								
			PSS-24330HC								
			PSS-24335HC								
			PSS-24340HC								
			PSS-24345HC								
PSS-24350HC											

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S. No.	Name of the Manufacturer	Location of Manufacturing Facility	Enlisted Capacity (MWs / Year)	S. No.	Type of Module	Applied Model	Enlisted Models	No. of Cells in Module	System Voltage (in Volt)	Validity				
										From	To			
							PSS-24355HC							
							PSS-24357HC							
				vii	Multi C-Si Module	PSS-20280 (280 Wp)				PSS-20270	60 (Full Cells)	1500	10.03.2021	09.03.2023
										PSS-20275				
										PSS-20280				
										PSS-20285				
										PSS-20290				
				viii	Multi C-Si Module	PSS-20260 (260 Wp)				PSS-20250	60 (Full Cells)	1500	10.03.2021	09.03.2023
										PSS-20255				
										PSS-20260				
				ix	Multi C-Si Module	PSS-20220 (220 Wp)				PSS-20220	60 (Cut Cells)	1500	10.03.2021	09.03.2023
										PSS-20225				
				x	Multi C-Si Module	PSS-12200 (200 Wp)				PSS-12200	36 (Cut Cells)	600	10.03.2021	09.03.2023
				xi	Multi C-Si Module	PSS-12165 (165 Wp)				PSS-12160	36 (Full Cells)	600	10.03.2021	09.03.2023
										PSS-12165				
				xii	Multi C-Si Module	PSS-12150 (150 Wp)				PSS-12170	36 (Full Cells)	600	10.03.2021	09.03.2023
										PSS-12145				
										PSS-12150				
				xiii	Multi C-Si Module	PSS-12120 (120 Wp)				PSS-12155	36 (Cut Cells)	600	10.03.2021	09.03.2023
										PSS-12120				
				xiv	Multi C-Si Module	PSS-12105 (105 Wp)				PSS-12125	36 (Cut Cells)	600	10.03.2021	09.03.2023
										PSS-12100				
PSS-12105														
xv	Multi C-Si Module	PSS-1280 (80 Wp)				PSS-12110	36 (Cut Cells)	600	10.03.2021	09.03.2023				
						PSS-1280								
xvi	Multi C-Si Module	PSS-1275 (75 Wp)				PSS-1275	36 (Cut Cells)	600	10.03.2021	09.03.2023				
						PSS-1275								
xvii	Multi C-Si Module	PSS-1260 (60 Wp)				PSS-1260	36 (Cut Cells)	600	10.03.2021	09.03.2023				
xviii	Multi C-Si Module	PSS-1245 (45 Wp)				PSS-1245	36 (Cut Cells)	600	10.03.2021	09.03.2023				
xix	Multi C-Si Module	PSS-1230 (30 Wp)				PSS-1230	36 (Cut Cells)	600	10.03.2021	09.03.2023				
xx	Multi C-Si Modules	PSS-1220 (20 Wp)				PSS-1220	36 (Cut Cells)	600	10.03.2021	09.03.2023				
xxi	Mono C-Si PERC Module	PSS-24380 (380 Wp)				PSS-24365	72 (Full Cells)	1500	10.03.2021	09.03.2023				
						PSS-24370								
						PSS-24375								
						PSS-24380								
						PSS-24385								
						PSS-24390								
xxii	Mono C-Si PERC	PSS-24335 (335 Wp)				PSS-24395	72 (Full Cells)	1500	10.03.2021	09.03.2023				
						PSS-24335								
xxiii	Mono C-Si PERC Module	PSS-20315 (315 Wp)				PSS-20315	60 (Full Cells)	1500	10.03.2021	09.03.2023				
						PSS-20320								
						PSS-20325								
						PSS-20330								
10	Visaka Industries Ltd.	Gajalapuram, Miryalagunda, Nalgonda, Telangana, India	30	i	Multi C-Si Module	VIL-310P (310 Wp)	VIL-305P	72 (Full Cells)	1000	10.03.2021	09.03.2023			
							VIL-310P							
							VIL-315P							
							VIL-320P							
							VIL-320P							
11	Websol Energy System Ltd.	Falta SEZ, 24 Parganas (South), West Bengal, India	250	i	Multi C-Si Module	W2900-M330 (330 Wp)	W2900-M315	72 (Full Cells)	1500	10.03.2021	09.03.2023			
							W2900-M320							
							W2900-M325							
							W2900-M330							
							W2900-M335							
							W2900-M340							
							W2900-M345							
							W2900-M345							
W2900-M345														
12	Sova Solar Ltd.	Banskopa, Durgapur, West Bengal, India	240	i	Multi C-Si Module	SS28060MC (280 Wp)	SS27060MC	60 (Full Cells)	1500	10.03.2021	09.03.2023			
							SS27560MC							
							SS28060MC							
							SS28560MC							
				SS29060MC										
				ii	Multi C-Si Module	SS33072MC (330 Wp)				SS32072MC	72 (Full Cells)	1500	10.03.2021	09.03.2023
SS32572MC														

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S. No.	Name of the Manufacturer	Location of Manufacturing Facility	Enlisted Capacity (MWs / Year)	S. No.	Type of Module	Applied Model	Enlisted Models	No. of Cells in Module	System Voltage (in Volt)	Validity								
										From	To							
							SS33072MC	60 (Full Cells)	1500	10.03.2021	09.03.2023							
							SS33572MC											
							SS34072MC											
							SS34572MC											
				iii	Mono PERC Module	SS31060MP (310 Wp)	SS30060MP	72 (Full Cells)	1500	10.03.2021	09.03.2023							
				SS30560MP														
				SS31060MP														
				SS31560MP														
				SS32060MP														
				SS32560MP														
				iv	Mono PERC Module	SS38572MP (385 Wp)	SS37072MP	72 (Full Cells)	1500	10.03.2021	09.03.2023							
				SS37572MP														
				SS38072MP														
				SS38572MP														
SS39072MP																		
SS39572MP																		
SS40072MP																		
GOLDI072F335PY24 (335 Wp)	GOLDI072F335PY24	72 (Full Cells)	1500	10.03.2021	09.03.2023													
GOLDI072F335PY24																		
GOLDI072F335PY24																		
GOLDI072F340PY24																		
GOLDI072F345PY24																		
ii	Multi C-Si Module	GOLDI066F300PY24 (300 Wp)	GOLDI066F300PY24	66 (Full Cells)	1500	10.03.2021	09.03.2023											
GOLDI066F310PY24																		
iii	Multi C-Si Module	GOLDI060F280PY24 (280 Wp)	GOLDI060F280PY24	60 (Full Cells)	1500	10.03.2021	09.03.2023											
iv	Multi C-Si Module	GOLDI054F250PY12 (250 Wp)	GOLDI054F250PY12	54 (Full Cells)	1500	10.03.2021	09.03.2023											
v	Mono C-Si PERC Module	GOLDI072F395PRC24 (395 Wp)	GOLDI072F395PRC24	72 (Full Cells)	1500	10.03.2021	09.03.2023											
GOLDI072F395PRC24																		
GOLDI072F400PRC24																		
14	Australian Premium Solar (India) Pvt. Ltd.	Tajpur, Sabarkantha, Gujarat, India	50	i	Multi C-Si Module	APSAP6-250/60 (250 Wp)	APSAP6-250/60	60 (Full Cells)	1000	10.03.2021	09.03.2023							
							APSAP6-260/60											
							APSAP6-300/72 (300 Wp)											
							APSAP6-320/72 (320 Wp)											
ii	Multi C-Si Module	APSAP6-300/72 (300 Wp)	APSAP6-300/72	72 (Full Cells)	1000	10.03.2021	09.03.2023											
APSAP6-320/72																		
iii	Multi C-Si Module	APSAP6-320/72 (320 Wp)	APSAP6-320/72	72 (Full Cells)	1000	10.03.2021	09.03.2023											
APSAP6-330/72																		
iv	Multi C-Si Module	APSAP6-340/72 (340 Wp)	APSAP6-340/72	72 (Full Cells)	1000	10.03.2021	09.03.2023											
APSAP6-350/72																		
15	Solex Energy Ltd	GIDC, Vitthal Udyognagar, Anand, Gujarat, India	45	i	Multi C-Si Module	SES1224 (24 Wp)	SES1224	36 (Cut Cells)	600	10.03.2021	09.03.2023							
							SES1275 (75 Wp)											
				ii	Multi C-Si Module	SES1275 (75 Wp)	SES1275	36 (Cut Cells)	600	10.03.2021	09.03.2023							
				SES12100 (100 Wp)														
				iii	Multi C-Si Module	SES12100 (100 Wp)	SES12100	36 (Cut Cells)	600	10.03.2021	09.03.2023							
				SES16200 (200 Wp)														
				iv	Multi C-Si Module	SES16200 (200 Wp)	SES16200	48 (Full Cells)	1000	10.03.2021	09.03.2023							
				SES16210														
				v	Multi C-Si Module	SES20250 (250 Wp)	SES20250	60 (Full Cells)	1000	10.03.2021	09.03.2023							
				SES20260														
				vi	Multi C-Si Module	SES24300 (300 Wp)	SES24300	72 (Full Cells)	1000	10.03.2021	09.03.2023							
				SES24320														
				vii	Multi C-Si Module	SES24335 (335 Wp)	SES24320	72 (Full Cells)	1000	10.03.2021	09.03.2023							
				SES24325														
SES24330																		
SES24335																		
SES24340																		
SES24350																		
viii	Mono- PERC Module	SESM20280 (280 Wp)	SESM20280	60 (Full Cells)	1000	10.03.2021	09.03.2023											
SESM20300 (300 Wp)																		
ix	Mono- PERC Module	SESM20300 (300 Wp)	SESM20300	60 (Full Cells)	1000	10.03.2021	09.03.2023											
SESM24335 (335 Wp)																		
x	Mono- PERC Module	SESM24335 (335 Wp)	SESM24335	72 (Full Cells)	1000	10.03.2021	09.03.2023											
SESM24350 (360 Wp)																		
xi	Mono- PERC Module	SESM24360 (360 Wp)	SESM24350	72 (Full Cells)	1000	10.03.2021	09.03.2023											
SESM24360																		
SESM24370																		
16	Topsun Energy Ltd.	Linch, Mehsana, Gujarat, India	100	i	Multi C-Si Module	TEL24P315 (315 Wp)	TEL24P300	72 (Full Cells)	1000	10.03.2021	09.03.2023							
							TEL24P305											
							TEL24P310											
							TEL24P315											
							TEL24P320											
							TEL24P325											
							ii					Multi C-Si Module	TEL24P340 (340 Wp)	TEL24P330	72 (Full Cells)	1000	10.03.2021	09.03.2023
							TEL24P335											

List of Manufacturers and Models of Solar PV Modules enlisted under ALMM Order (As on 18.08.2022)

S. No.	Name of the Manufacturer	Location of Manufacturing Facility	Enlisted Capacity (MWs / Year)	S. No.	Type of Module	Applied Model	Enlisted Models	No. of Cells in Module	System Voltage (in Volt)	Validity								
										From	To							
							TEL24P340											
							TEL24P345											
							TEL24P350											
				iii	Multi C-Si Module	TEL66P290 (290 Wp)	TEL66P280	66 (Full Cells)	1000	10.03.2021	09.03.2023							
							TEL66P285											
							TEL66P290											
							TEL66P295											
							TEL66P300											
				iv	Multi C-Si Module	TEL12CP40 (40 Wp)	TEL12CP40	36 (Cut Cells)	600	10.03.2021	09.03.2023							
							TEL12CP74											
				v	Multi C-Si Module	TEL12CP74 (74 Wp)	TEL12CP74	36 (Cut Cells)	600	10.03.2021	09.03.2023							
							TEL12CP75											
				vi	Multi C-Si Module	TEL12CP100 (100 Wp)	TEL12CP100	36 (Cut Cells)	600	10.03.2021	09.03.2023							
TEL24MP320																		
vii	Mono C-Si PERC Module	TEL24MP335 (335 Wp)	TEL24MP320	72 (Full Cells)	1500	10.03.2021	09.03.2023											
			TEL24MP325															
			TEL24MP330															
			TEL24MP335															
			TEL24MP340															
			TEL24MP345															
			TEL24MP350															
viii	Mono C-Si PERC	TEL24MP380 (380 Wp)	TEL24MP380	72 (Full Cells)	1500	10.03.2021	09.03.2023											
17	Waaree Energies Ltd.	Tumb, Umbergaon, Valsad, Gujarat, India	1100	i	Multi C-Si Modules	WS-340 (340 Wp)	WS-330	72 (Full Cells)	1500	10.03.2021	09.03.2023							
							WS-335											
							WS-340											
							WS-345											
							WS-350											
				ii	Mono PERC C-Si Modules	WSM-390 (390Wp)	WSM-380	72 (Full Cells)	1500	10.03.2021	09.03.2023							
							WSM-385											
							WSM-390											
							WSM-395											
				iii	Mono PERC C-Si Modules	WSMD-440 (440Wp)	WSMD-420	144 (Half Cut Cells)	1500	10.03.2021	09.03.2023							
							WSMD-425											
							WSMD-430											
							WSMD-435											
18	Waaree Energies Ltd.	Surat SEZ, Diamond Park, Sachin, Surat, Gujarat, India	500	i	Multi C-Si Modules	WS-340 (340 Wp)	WS-330	72 (Full Cells)	1500	10.03.2021	09.03.2023							
							WS-335											
							WS-340											
							WS-345											
							WS-350											
ii	Mono C-Si Modules	WSM-390 (390 Wp)	WSM-380	72 (Full Cells)	1500	10.03.2021	09.03.2023											
			WSM-385															
			WSM-390															
			WSM-395															
19	Waaree Renewables Pvt. Ltd.	Nandigram, Umbergaon, Valsad, Gujarat, India	500	i	Multi C-Si Modules	WS-340 (340 Wp)	WS-330	72 (Full Cells)	1500	10.03.2021	09.03.2023							
							WS-335											
							WS-340											
							WS-345											
							WS-350											
ii	Mono C-Si Modules	WSM-380 (380 Wp)	WSM-380	72 (Full Cells)	1500	10.03.2021	09.03.2023											
20	Icon Solar-En Power Technologies Pvt. Ltd.	Dighari, Mandir Hasaud, Arang, Raipur, Chhattisgarh, India	125	i	Multi C-Si Modules	ISEN335 (335 Wp)	ISEN320	72 (Full Cells)	1500	10.03.2021	09.03.2023							
							ISEN325											
							ISEN330											
							ISEN335											
							ISEN340											
							ISEN345											
							ISEN350											
							ii					Multi C-Si Modules	ISEN305 (305 Wp)	ISEN300	72 (Full Cells)	1500	10.03.2021	09.03.2023

List of Manufacturers and Models of Solar PV Modules enlisted under ALMM Order (As on 18.08.2022)

S. No.	Name of the Manufacturer	Location of Manufacturing Facility	Enlisted Capacity (MWs / Year)	S. No.	Type of Module	Applied Model	Enlisted Models	No. of Cells in Module	System Voltage (in Volt)	Validity	
										From	To
							ISEN305				
							ISEN310				
							ISEN315				
				iii	Multi C-Si Modules	ISEN290 (290 Wp)	ISEN280	66 (Full Cells)	1500	10.03.2021	09.03.2023
							ISEN285				
							ISEN290				
							ISEN295				
							ISEN300N				
				iv	Multi C-Si Modules	ISEN260 (260 Wp)	ISEN250	60 (Full Cells)	1500	10.03.2021	09.03.2023
							ISEN255				
							ISEN260				
							ISEN265				
							ISEN270				
				v	Multi C-Si Modules	ISEN240 (240 Wp)	ISEN230	54 (Full Cells)	1500	10.03.2021	09.03.2023
							ISEN235				
							ISEN240				
							ISEN245				
				vi	Multi C-Si Modules	ISEN210 (210 Wp)	ISEN250N	48 (Full Cells)	1500	10.03.2021	09.03.2023
							ISEN200				
ISEN205											
vii	Multi C-Si Modules	ISEN155 (155 Wp)	ISEN210	36 (Full Cells)	1500	10.03.2021	09.03.2023				
			ISEN215								
			ISEN150								
viii	Multi C-Si Modules	ISEN75 (75 Wp)	ISEN155	36 (Cut Cells)	1500	10.03.2021	09.03.2023				
			ISEN75								
21	PV Power Technologies Pvt. Ltd.	Tarapur Textile Park Ltd., Boisar East, Palghar, Maharashtra, India	200	i	Multi C-Si Modules	ECO 325H (325 Wp)	ISEN40	36 (Cut Cells)	1500	10.03.2021	09.03.2023
							ISEN40 (40 Wp)				
							ECO 315H				
							ECO 320H				
							ECO 325H				
							ECO 330H				
							ECO 335H				
							ECO 300				
							ECO 305				
				ECO 310							
				ii	Multi C-Si Modules	ECO 315 (315 Wp)	ECO 315	72 (Full Cells)	1000	10.03.2021	09.03.2023
							ECO 320				
							ECO 325				
							ECO 330				
							ECO 335H				
				iii	Mono C-Si Modules	ECO 355M (355 Wp)	ECO 340M	72 (Full Cells)	1000	10.03.2021	09.03.2023
							ECO 345M				
							ECO 350M				
							ECO 355M				
ECO 360M											
ECO 365M											
ECO 370M											
ECO 370M											
22	Saatvik Green Energy Pvt. Ltd.	Dubli, Ambala, Haryana, India	510	i	Multi C-Si Modules	SGE 150-36P (150 Wp)	ISEN75	36 (Full Cells)	1000	10.03.2021	09.03.2023
							SGE 150-36P				
				ii	Multi C-Si Modules	SGE 165-36P (165 Wp)	ISEN40	36 (Full Cells)	1000	10.03.2021	09.03.2023
							SGE 160-36P				
							SGE 165-36P				
				iii	Multi C-Si Modules	SGE 200-48P (200 Wp)	SGE 170-36P	48 (Full Cells)	1000	10.03.2021	09.03.2023
							SGE 200-48P				
							SGE 210-48P				
				iv	Multi C-Si Modules	SGE 230-54P (230 Wp)	SGE 220-54P	54 (Full Cells)	1000	10.03.2021	09.03.2023
							SGE 225-54P				
							SGE 230-54P				
							SGE 235-54P				
							SGE 240-54P				
v	Multi C-Si Modules	SGE 260-60P (260 Wp)	SGE 250-60P	60 (Full Cells)	1500	10.03.2021	09.03.2023				
			SGE 260-60P								
			SGE 265-60P								
			SGE 270-60P								
vi	Multi C-Si Modules	SGE 275-60P (275 Wp)	SGE 275-60P	60 (Full Cells)	1500	10.03.2021	09.03.2023				
vii	Multi C-Si Modules	SGE 315-72P (315 Wp)	SGE 300-72P	72 (Full Cells)	1500	10.03.2021	09.03.2023				

List of Manufacturers and Models of Solar PV Modules enlisted under ALMM Order (As on 18.08.2022)

S. No.	Name of the Manufacturer	Location of Manufacturing Facility	Enlisted Capacity (MWs / Year)	S. No.	Type of Module	Applied Model	Enlisted Models	No. of Cells in Module	System Voltage (in Volt)	Validity	
										From	To
							SGE 305-72P SGE 310-72P SGE 315-72P SGE 320-72P SGE 325-72P SGE 330-72P				
				viii	Multi C-Si Modules	SGE 340-72P (340 Wp)	SGE 335-72P SGE 340-72P SGE 345-72P	72 (Full Cells)	1500	10.03.2021	09.03.2023
				ix	Mono C-Si Modules	SGE 185-36M (185 Wp)	SGE 180-36M SGE 185-36M SGE 190-36M	36 (Full Cells)	1000	10.03.2021	09.03.2023
				x	Mono C-Si Modules	SGE 245-48M (245 Wp)	SGE 235-48M SGE 240-48M SGE 245-48M SGE 250-48M SGE 255-48M	48 (Full Cells)	1000	10.03.2021	09.03.2023
				xi	Mono C-Si Modules	SGE 275-54M (275 Wp)	SGE 265-54M SGE 270-54M SGE 275-54M SGE 280-54M SGE 285-54M	54 (Full Cells)	1000	10.03.2021	09.03.2023
				xii	Mono C-Si Modules	SGE 300-60M (300 Wp)	SGE 285-60M SGE 290-60M SGE 295-60M SGE 300-60M SGE 305-60M SGE 310-60M SGE 315-60M	60 (Full Cells)	1500	10.03.2021	09.03.2023
				xiii	Mono C-Si Modules	SGE 370-72M (370 Wp)	SGE 355-72M SGE 360-72M SGE 365-72M SGE 370-72M SGE 375-72M SGE 380-72M SGE 385-72M	72 (Full Cells)	1500	10.03.2021	09.03.2023
				xiv	Mono PERC C-Si Modules.	SGE570-156MHC, (570 Wp)	SGE555-156MHC SGE560-156MHC SGE565-156MHC SGE570-156MHC SGE575-156MHC SGE580-156MHC SGE585-156MHC SGE590-156MHC	156 (Half Cut Cells)	1500	10.03.2021	09.03.2023
				xv	Mono PERC C-Si Modules.	SGE530-144MHC, (530 Wp)	SGE520-144MHC SGE525-144MHC SGE530-144MHC SGE535-144MHC SGE540-144MHC SGE545-144MHC	144 (Half Cut Cells)	1500	10.03.2021	09.03.2023
				xvi	Mono PERC C-Si Modules.	SGE485-132MHC, (485 Wp)	SGE470-132MHC SGE475-132MHC SGE480-132MHC SGE485-132MHC SGE490-132MHC	132 (Half Cut Cells)	1500	10.03.2021	09.03.2023

List of Manufacturers and Models of Solar PV Modules enlisted under ALMM Order (As on 18.08.2022)

S. No.	Name of the Manufacturer	Location of Manufacturing Facility	Enlisted Capacity (MWs / Year)	S. No.	Type of Module	Applied Model	Enlisted Models	No. of Cells in Module	System Voltage (in Volt)	Validity	
										From	To
				xvii	Mono PERC C-Si Modules.	SGE440-120MHC, (440 Wp)	SGE495-132MHC	120 (Half Cut Cells)	1500	10.03.2021	09.03.2023
							SGE500-132MHC				
							SGE420-120MHC				
							SGE425-120MHC				
							SGE430-120MHC				
							SGE435-120MHC				
							SGE440-120MHC				
							SGE445-120MHC				
				xviii	Mono PERC C-Si Modules.	SGE395-108MHC, (395 Wp)	SGE450-120MHC	108 (Half Cut Cells)	1500	10.03.2021	09.03.2023
							SGE455-120MHC				
							SGE380-108MHC				
							SGE385-108MHC				
							SGE390-108MHC				
				xix	Mono PERC C-Si Modules.	SGE 395-72M, (395 Wp)	SGE395-108MHC	72 (Full Cell)	1500	10.03.2021	09.03.2023
							SGE400-108MHC				
							SGE405-108MHC				
							SGE410-108MHC				
							SGE 390-72M				
							SGE 400-72M				
23	Navitas Green Solutions Pvt. Ltd.	Hojiwala Industrial Estate, Surat, Gujarat, India	100	i	Mono C-Si PERC Modules	NSM365 (365 Wp)	NSM350	72 (Full Cells)	1500	10.03.2021	09.03.2023
							NSM355				
							NSM360				
							NSM365				
							NSM370				
							NSM375				
							NSM380				
							NSM385				
				ii	Mono C-Si PERC Modules	NSM330 (330 Wp)	NSM330	72 (Full Cells)	1500	10.03.2021	09.03.2023
							NSM325				
							NSM330				
							NSM335				
							NSM340				
							NSM345				
				iii	Mono C-Si PERC Modules	NSM315-60 (315 Wp)	NSM300-60	60 (Full Cells)	1500	10.03.2021	09.03.2023
							NSM305-60				
							NSM310-60				
							NSM315-60				
							NSM320-60				
							NSM325-60				
							NSM330-60				
				iv	Mono C-Si PERC Modules	NSM285-60 (285 Wp)	NSM275-60	60 (Full Cells)	1500	10.03.2021	09.03.2023
							NSM280-60				
							NSM285-60				
							NSM290-60				
							NSM295-60				
				v	Mono C-Si PERC Modules	NSM260-60 (260 Wp)	NSM250-60	60 (Full Cells)	1500	10.03.2021	09.03.2023
							NSM255-60				
NSM260-60											
NSM265-60											
vi	Mono C-Si PERC Modules	NSM340-66 (340 Wp)	NSM325-66	66 (Full Cells)	1500	10.03.2021	09.03.2023				
			NSM330-66								
			NSM335-66								
			NSM340-66								
			NSM345-66								
			NSM350-66								
			NSM355-66								
			NSM295-66								
			NSM300-66								
			vii					Mono C-Si PERC Modules	NSM305-66 (305 Wp)	NSM295-66	66 (Full Cells)
NSM300-66											

List of Manufacturers and Models of Solar PV Modules enlisted under ALMM Order (As on 18.08.2022)

S. No.	Name of the Manufacturer	Location of Manufacturing Facility	Enlisted Capacity (MWs / Year)	S. No.	Type of Module	Applied Model	Enlisted Models	No. of Cells in Module	System Voltage (in Volt)	Validity	
										From	To
							NSM305-66				
							NSM310-66				
							NSM315-66				
							NSM320-66				
				viii	Mono C-Si PERC Modules	NSM180-36 (180 Wp)	NSM175-36	36 (Full Cells)	1000	10.03.2021	09.03.2023
							NSM180-36				
							NSM185-36				
				ix	Mono C-Si PERC Modules	NSM165-36 (165 Wp)	NSM160-36	36 (Full Cells)	1000	10.03.2021	09.03.2023
							NSM165-36				
							NSM170-36				
				x	Mono C-Si PERC Modules	NSM150-36 (150 Wp)	NSM150-36	36 (Full Cells)	1000	10.03.2021	09.03.2023
							NSM155-36				
				xi	Multi C-Si Modules	NSA330 (330 Wp)	NSA315	72 (Full Cells)	1500	10.03.2021	09.03.2023
							NSA320				
							NSA325				
							NSA330				
							NSA335				
							NSA340				
							NSA345				
				xii	Multi C-Si Modules	NSA305 (305 Wp)	NSA295	72 (Full Cells)	1500	10.03.2021	09.03.2023
							NSA300				
							NSA305				
							NSA310				
				xiii	Multi C-Si Modules	NSA310-66 (310 Wp)	NSA295-66	66 (Full Cells)	1500	10.03.2021	09.03.2023
							NSA300-66				
							NSA305-66				
							NSA310-66				
							NSA315-66				
							NSA320-66				
							NSA325-66				
				xiv	Multi C-Si Modules	NSA280-66 (280 Wp)	NSA275-66	66 (Full Cells)	1500	10.03.2021	09.03.2023
							NSA280-66				
							NSA285-66				
							NSA290-66				
				xv	Multi C-Si Modules	NSA290-60 (290 Wp)	NSA280-60	60 (Full Cells)	1500	10.03.2021	09.03.2023
							NSA285-60				
							NSA290-60				
							NSA295-60				
							NSA300-60				
				xvi	Multi C-Si Modules	NSA265-60 (265 Wp)	NSA255-60	60 (Full Cells)	1500	10.03.2021	09.03.2023
							NSA260-60				
							NSA265-60				
							NSA270-60				
							NSA275-60				
				xvii	Multi C-Si Modules	NSA250-60 (250 Wp)	NSA250-60	60 (Full Cells)	1500	10.03.2021	09.03.2023
				xviii	Multi C-Si Modules	NSA170-36F (170 Wp)	NSA170-36F	36 (Full Cells)	1000	10.03.2021	09.03.2023
							NSA175-36F				
				xix	Multi C-Si Modules	NSA155-36F (155 Wp)	NSA150-36F	36 (Full Cells)	1000	10.03.2021	09.03.2023
							NSA155-36F				
				xx	Multi C-Si Modules	NSA325-144 (325 Wp)	NSA310-144	144 (Half Cut Cells)	1500	10.03.2021	09.03.2023
							NSA315-144				
							NSA320-144				
							NSA325-144				
							NSA330-144				
							NSA335-144				
							NSA340-144				
				xxi	Multi C-Si Modules	NSA300-144 (300 Wp)	NSA300-144	144 (Half Cut Cells)	1500	10.03.2021	09.03.2023
							NSA305-144				
				xxii	Multi C-Si Modules	NSA165-36F (165 Wp)	NSA160-36F	36 (Full Cells)	1000	10.03.2021	09.03.2023
							NSA165-36F				
				xxiii	Multi C-Si Modules	NSA110-36 (110 Wp)	NSA110-36	36 (Cut Cells)	1000	10.03.2021	09.03.2023
				xxiv	Multi C-Si Modules	NSA74-36 (74 Wp)	NSA74-36	36 (Cut Cells)	1000	10.03.2021	09.03.2023

