

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

Atal Akshay Urja Bhawan,
Lodhi Road, New Delhi - 110003.
Dated: 27th September, 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, 05.04.2022 & 18.08.2022.
3. This Ministry has further updated the List - I (Manufacturers and Models of Solar PV Modules) of ALMM Order, 2019 as on 27.09.2022, i.e. Revision - VIII 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 27.09.2022)

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 VSM DHT.72.445.05 (445Wp)	PREXOS VSM DHT.72.435.05	144 (Half Cut Cells)	1500	10.03.2021	09.03.2023
											PREXOS VSM DHT.72.440.05				
											PREXOS VSM DHT.72.445.05				
											PREXOS VSM DHT.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.	Bettahalsuru, 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
											E275P60				
											E280P60				
											E285P60				
											E290P60				
								iii	Mono PERC Module	E380M72 (380 Wp)	E365M72	72 (Full Cells)	1500	10.03.2021	09.03.2023
											E370M72				
											E375M72				
											E380M72				

List of Manufacturers and Models of Solar PV Modules enlisted under ALMM Order (As on 27.09.2022)

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
							E385M72 E390M72 E395M72				
				iv	Mono PERC Module	E315M60 (315 Wp)	E300M60 E305M60 E310M60 E315M60 E320M60 E325M60 E330M60	60 (Full Cells)	1500	10.03.2021	09.03.2023
5	ORB Energy Pvt. Ltd.	Yeshwanthapura, Bengaluru, Karnataka, India	68	i	Multi C-Si Module	Orb320P72-15 (320 Wp)	Orb305P72-15 Orb310P72-15 Orb315P72-15 Orb320P72-15 Orb325P72-15 Orb330P72-15 Orb335P72-15	72 (Full Cells)	1500	10.03.2021	09.03.2023
				ii	Multi C-Si Module	Orb270P60-15 (270 Wp)	Orb260P60-15 Orb265P60-15 Orb270P60-15 Orb275P60-15 Orb280P60-15	60 (Full Cells)	1500	10.03.2021	09.03.2023
				iii	Multi C-Si Module	Orb320P72 (320 Wp)	Orb305P72 Orb310P72 Orb315P72 Orb320P72 Orb325P72 Orb330P72 Orb335P72	72 (Full Cells)	1000	10.03.2021	09.03.2023
				iv	Multi C-Si Module	Orb270P60 (270 Wp)	Orb260P60 Orb265P60 Orb270P60 Orb275P60 Orb280P60	60 (Full Cells)	1000	10.03.2021	09.03.2023
				v	Mono C-Si Module	Orb370M72-15 (370 Wp)	Orb355M72-15 Orb360M72-15 Orb365M72-15 Orb370M72-15 Orb375M72-15 Orb380M72-15 Orb385M72-15	72 (Full Cells)	1500	10.03.2021	09.03.2023
				vi	Mono C-Si Module	Orb305M60-15 (305 Wp)	Orb290M60-15 Orb295M60-15 Orb300M60-15 Orb305M60-15 Orb310M60-15 Orb315M60-15 Orb320M60-15	60 (Full Cells)	1500	10.03.2021	09.03.2023
				vii	Mono C-Si Module	Orb370M72 (370 Wp)	Orb355M72 Orb360M72 Orb365M72 Orb370M72 Orb375M72 Orb380M72 Orb385M72	72 (Full Cells)	1000	10.03.2021	09.03.2023
				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 Module	Orb440M72-15, (440Wp)	Orb440M72-15 (440 Wp)	72 (Full Cells)	1500	10.03.2021	09.03.2023
				x	Mono C-Si PERC Module	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,	710				TP315LBZ TP320LBZ TP325LBZ				

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										From	To				
				iii	Multi C-Si Module	HST72F330P (330 Wp)	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 HST60F295M	36 (Full Cells)	1000	10.03.2021	09.03.2023				
				vi	Mono C-Si Module	HST60F310M (310 Wp)	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				
				ix	Mono C-Si PERC Modules	HST72F400MF, (400Wp)	HST72F400MF HST72F395MF HST72F390MF HST72F385MF HST72F380MF	72 (Full Cells)	1500	10.03.2021	09.03.2023				
				x	Multi C-Si Modules	HST72F340PF, (340Wp)	HST72F340PF	72 (Full Cells)	1500	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	72 (Full Cells)	1000	10.03.2021	09.03.2023
											DESERV 3M6-320				
DESERV 3M6-325															
DESERV 3M6-330															
DESERV 3M6-335															
DESERV 3M6-340															
DESERV 3M6-345															
ii	Multi C-Si Module	DESERV 3M6H-330 (330 Wp)	DESERV 3M6H-315					72 (Full Cells)	1500	10.03.2021	09.03.2023				
			DESERV 3M6H-320												
			DESERV 3M6H-325												
			DESERV 3M6H-330												
			DESERV 3M6H-335												
			DESERV 3M6H-340												
DESERV 3M6H-345															
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												
DESERV MGALACTIC-360															
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												
DESERV 3S6-375															
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												
DESERV 3S6H-375															
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												