

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: 13th August 2025**OFFICE MEMORANDUM****Sub: Updation of List I (Manufacturers and Models of Solar PV Modules) of ALMM Order, 2019 – Reg.**

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

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

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

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

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

4. The List – I (Manufacturers and Models of Solar PV Modules) of ALMM Order, 2019 was last updated on 30.06.2025.

5. The List – I (Manufacturers and Models of Solar PV Modules) of ALMM Order, 2019 is hereby further revised and the Revision-XLI (*in the format of additions / modifications to Revision-XL*) is enclosed at Annexure-I. The last revision no. XL dated 30.06.2025 along with provisional enlistments therein (*excluding those which have been removed on account of inclusion in main ALMM List-I*) is at pages after Annexure-I.

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

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

8. This issues with the approval of competent authority.



(Sanjay G. Karndhar)

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Encl: as above

To: All Concerned

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

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)
12	M/s. Integrated Batteries India Pvt Ltd, Greater Noida, Uttar Pradesh (Model Addition + Capacity Addition)	Plot No. 40, Sector - 10, Greater Noida - 201310, Uttar Pradesh, India	R-93017612	284	i	Bifacial N-Type TOPCon Module (Glass to Glass)	IBMPH-620 (620 Wp)	IBMPH-605	21.62	156 (Half Cut Cells)	1500	10.04.2024	09.04.2028
								IBMPH-610	21.79				
								IBMPH-615	21.97				
								IBMPH-620	22.15				
								IBMPH-625	22.33				
								IBMPH-630	22.51				
								IBMPH-635	22.69				
								IBMPH-640	22.87				
								ii	Bifacial N-Type TOPCon Module (Glass to Glass)				
					IBMPH-555	21.48							
					IBMPH-560	21.68							
					IBMPH-565	21.87							
					IBMPH-570	22.07							
					IBMPH-575	22.26							
					IBMPH-580	22.45							
					IBMPH-585	22.65							
					IBMPH-590	22.84							
					IBMPH-595	23.03							
					IBMPH-600	23.23							

6	M/s. Integrated Batteries India Pvt Ltd (Model Addition)	Plot No. 40, Sector -10, Greater Noida - 201310, Uttar Pradesh, India	R-93017612	93	i	Mono c-Si PERC Module	IBMPH-205 (205 Wp)	IBMPH-200	19.17	56 (Half Cut Cells)	1500	10.04.2024	09.04.2028
								IBMPH-205	19.65				
								IBMPH-210	20.13				
					ii	Mono c-Si PERC Module	IBMPH-355 (355 Wp)	IBMPH-345	19.70	96 (Half Cut Cells)	1500		
								IBMPH-350	19.99				
								IBMPH-355	20.28				
								IBMPH-360	20.56				
								IBMPH-365	20.85				
								IBMPH-370	21.13				
					iii	Mono c-Si PERC Module	IBMPH-270 (270 Wp)	IBMPH-260	19.43	72 (Half Cut Cells)	1500		
								IBMPH-265	19.80				
								IBMPH-270	20.18				
								IBMPH-275	20.55				
					iv	Mono c-Si PERC Module	IBMPH-220 (220 Wp)	IBMPH-215	19.32	60 (Half Cut Cells)	1500		
								IBMPH-220	19.77				
								IBMPH-225	20.22				
					v	Mono c-Si PERC Module	IBMPH-180 (180 Wp)	IBMPH-185	20.47	48 (Half Cut Cells)	1500		
								IBMPH-180	19.91				
								IBMPH-175	19.36				
					vi	Mono c-Si PERC Module	IBMPH-195 (195 Wp)	IBMPH-190	19.52	52 (Half Cut Cells)	1500		
								IBMPH-195	20.03				
					vii	Mono c-Si PERC Module	IBMPH-120 (120 Wp)	IBMPH-120	19.48	32 (Half Cut Cells)	1500		
								IBMPH-125	20.30				
					viii	Mono c-Si PERC Module	IBMPH-165 (165 Wp)	IBMPH-160	19.18	44 (Half Cut Cells)	1500		
								IBMPH-165	19.78				
								IBMPH-170	20.38				
					ix	Mono c-Si PERC Module	IBMPH-150 (150 Wp)	IBMPH-155	20.44	40 (Half Cut Cells)	1500		
								IBMPH-150	19.78				
								IBMPH-145	19.12				
					x	Mono c-Si PERC Module	IBMPH-105 (105 Wp)	IBMPH-105	19.31	28 (Half Cut Cells)	1500		
					xi	Mono c-Si PERC Module	IBMPH-135 (135 Wp)	IBMPH-140	20.54	36 (Half Cut Cells)	1500		
								IBMPH-135	19.80				
								IBMPH-130	19.07				
								IBMPH-300	19.42				

					xii	Mono c-Si PERC Module	IBMPH-310 (310 Wp)			84 (Half Cut Cells)	1500					
								IBMPH-305	19.75							
								IBMPH-310	20.07							
								IBMPH-315	20.39							
								IBMPH-320	20.72							
								IBMPH-240	20.29							
					xiii	Mono c-Si PERC Module	IBMPH-235 (235 Wp)			64 (Half Cut Cells)	1500					
								IBMPH-235	19.87							
								IBMPH-230	19.45							
					xiv	Mono c-Si PERC Module	IBMPH-250 (250 Wp)		IBMPH-245	19.56	68 (Half Cut Cells)			1500		
								IBMPH-250	19.96							
								IBMPH-255	20.36							
					xv	Mono c-Si PERC Module	IBMPH-090 (090 Wp)		IBMPH-090	19.07	24 (Half Cut Cells)	1500				
58	M/s. Integrated Batteries India Pvt Ltd	Plot No. 40, Sector -10, Greater Noida, Uttar Pradesh - 201310, India	R-93017612	93	i	Mono c-Si PERC Modules	IBMPF-395 (395 Wp)	IBMPF-380	19.30	108 (Half Cut Cells)	1500	10.04.2024	09.04.2028			
								IBMPF-385	19.55							
								IBMPF-390	19.81							
								IBMPF-395	20.06							
								IBMPF-400	20.31							
								IBMPH-405	20.57							
								IBMPH-410	20.82							
								IBMPH-415	19.05							
					ii	Mono c-Si PERC Modules	IBMPH-435 (435 Wp)	IBMPH-420	19.28	120 (Half Cut Cells)	1500	10.04.2024	09.04.2028			
								IBMPH-425	19.51							
								IBMPH-430	19.74							
								IBMPH-435	19.97							
								IBMPH-440	20.19							
								IBMPH-445	20.42							
								IBMPH-450	20.65							
								IBMPH-455	20.88							
					iii	Mono c-Si PERC Modules	IBMPH-480 (480 Wp)	IBMPH-460	19.26	132 (Half Cut Cells)	1500	10.04.2024	09.04.2028			
								IBMPH-465	19.47							
								IBMPH-470	19.68							
								IBMPH-475	19.89							
								IBMPH-480	20.10							
								IBMPH-485	20.31							
								IBMPH-490	20.52							
								IBMPH-495	20.73							
					iv	Mono c-Si PERC Modules	IBMPH-525 (525 Wp)	IBMPH-500	20.93	144 (Half Cut Cells)	1500	10.04.2024	09.04.2028			
								IBMPH-505	19.57							
								IBMPH-510	19.77							
								IBMPH-515	19.96							
								IBMPH-520	20.16							
								IBMPH-525	20.35							
								IBMPH-530	20.54							
								IBMPH-535	20.74							
								IBMPH-540	20.93							
								IBMPH-545	21.13							