

List of Approved Solar Photovoltaic Module manufacturers and models

The Ministry of New and Renewable Energy (MNRE) has issued an office memorandum dated April 21, 2025, updating the 'List I (Manufacturers and Models of Solar PV Modules) of ALMM Order, 2019 Reg' ("OM"). The OM references previous office memorandums and directs that only models of Solar Photovoltaic Module ("Solar PV Modules") manufacturers will be enlisted under Approved List of Models and Manufacturers ("ALMM"), which comply with the Bureau of Indian Standards and have minimum module efficiency requirements as mentioned below:

Category	Application/ Use	Minimum Efficiency for crystalline-Silicon based Solar PV Modules	Minimum Efficiency requirement for Cadmium Telluride Thin Film 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%

The ALMM was last updated on March 27, 2025, and is further revised in the OM. The validity of ALMM enlistment is subject to valid BIS Registration, otherwise, the enlisted manufacturer is deemed delisted. The details of registration number assigned by BIS are mentioned against each manufacturer/manufacturing unit enlisted in ALMM. Further details related to BIS certification, such as validity and models included, can be checked on the BIS website. The ALMM enlistment validity is subject to valid BIS Registration, and further details can be checked on the BIS website.

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