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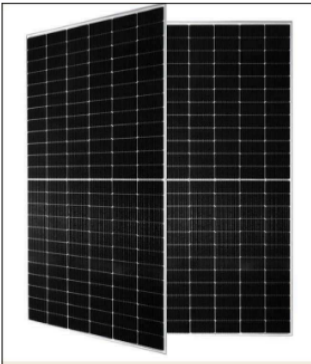


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Adani Solar launches 575 W TOPCon bifacial PV module

🕒 April 1, 2024

Adani Solar has unveiled a new bifacial solar module utilising tunnel oxide passivated contact (TOPCon) cell technology as part of its Shine series. These modules incorporate cells produced domestically by Adani, adhering to the domestic content requirement set by the Ministry of New and Renewable Energy for solar power projects. Available in power ranges from 550 W to 575 W, with efficiencies ranging from 21.4 per cent to 22.4 per cent, these 144-cell bifacial panels have an open-circuit voltage ranging from 50.2 V to 51.2 V and a short-circuit current of 13.87 A to 14.17 A. They feature a transparent backsheet on the rear side and weigh 28 kg, measuring 2,266 mm x 1,133 mm. Built with 182 mm (M10), 16BB half-cut cells, these panels can operate with a maximum system voltage of 1,500 V. They exhibit a temperature coefficient (Pmax) of -0.31 per cent per degree Celsius and are operational within a temperature range of -40 °C to 85 °C. Adani Solar provides a 12-year product warranty and a 30-year performance warranty for these panels, with a first-year degradation rate of 1 per cent. The power output at the end of 30 years is guaranteed to be no less than 87.4 per cent of the nominal output power.



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