Outstanding Technology

- The Duomax-N is a 360V module integrated with bifacial PERC cells with over 97% bifacial, multi-busbar (MBB) design.
- Dual-side and half-cut technologies, which greatly improve the actual power generation.

High Energy Generation of Duomax N

- The Duomax-N modules boast a higher temperature coefficient and close light induced degradation (LID), greatly improving the actual power output. They are available at extra high 5.15% power generation from their back side, and reach up to 30 year power warranty.

- Low degradation
  - Duomax-N modules have a 30 year warranty with a 1.0% degradation in the first year and average 0.5% annual degradation afterward, which guarantees more power than conventional PERC modules throughout the entire lifetime.

- Low temperature coefficient
  - With the better temperature coefficients, which is -0.5%/°C, Duomax-N modules suffer less performance loss as the temperature rise and achieve higher power generation than conventional PERC modules.

- High bifacial gain
  - Duomax-N modules could gain more both side-to-side power gain thanks to high bifacial PERC bifacial modules with the increased area of the rear illumination.

BOS Savings of Duomax N

- KOM DUOMAX N vs. Mono PERC
  - -1.42% Land
  - -7.69% Combiner box
  - -4.11% Fixed tile
  - -7.39% Cables

LCOE Reduction of Duomax N

- 10% back-side power gain: 14.26% LCOE, 10.11% IRR
- 15% back-side power gain: 19.95% LCOE, 12.08% IRR, 2.27% IRR

Better Performance with Tracking Systems

Duomax-N is fitted for utility scale projects with a bifacial rate of up to 40%. Trina Solar’s unique all-black module can achieve a 1.5kW bifacial advantage over the standard on-plant investment. It helps reduce depreciation and energy output. With all-black modules, Trina Solar has an unparalleled safety record. High reliability and high efficiency ensure the reliability of the system, and provide full support for value-added system solutions.