

HJ-B1-445W

High-Efficiency PV Modules | Product code: HJ-B1-445W

23.8% efficiency and $-0.26\%/^{\circ}\text{C}$, with a busbar-free front side that removes about 5.5% of the connection points from an equivalent DC block.

Rooftop capacity is bounded by area, so efficiency is not a vanity metric there — it is the difference between covering the load and not covering it. And once the array is up, the cost that quietly accumulates is maintenance: failed cells, hot spots, connection faults on a roof that is awkward to reach.



Key characteristics

Up to 23.8% deliverable efficiency	Among the highest in the range, which matters most where roof area, not budget, is the binding constraint.
First-year degradation $\leq 1\%$, then $\leq 0.35\%$ a year	One of the flattest degradation curves published in this range.
15-year product warranty, extendable to 25; 30-year power warranty	Warranty terms as published for this model.
Temperature coefficient of $-0.26\%/^{\circ}\text{C}$	Superior high-temperature behaviour, so the gap between nameplate and field output stays narrow through a summer afternoon.
Dual-roofpit compatibility	Maximises rooftop capacity with optimised partial shading tolerance, letting you use roof planes that a less shade-tolerant module would waste.
About 5.5% fewer connection points	The busbar-free front side improves safety and reliability and reduces failure rates, cutting O&M cost alongside high-temperature suppression and micro-crack resistance.

Applications

- Residential rooftops
- Commercial and industrial rooftops
- Distributed generation projects with limited roof area

Enquiries

Quotations, full datasheets and certificates are issued against a product code and a destination market. Write to info@hondolsolar.com with the cell technology, the module construction, the annual volume and the destination market.

All values are as published by the manufacturer. Tolerances, roll formats and electrical data are confirmed in writing per order. Suzhou Hondol New Material Co., Ltd. No.518, Xinzhen Road, Tong'an Town, SND, Suzhou, Jiangsu, China. PT. Hondol Material Indonesia, Samara Industrial Park, Batam, Kepulauan Riau, Indonesia.