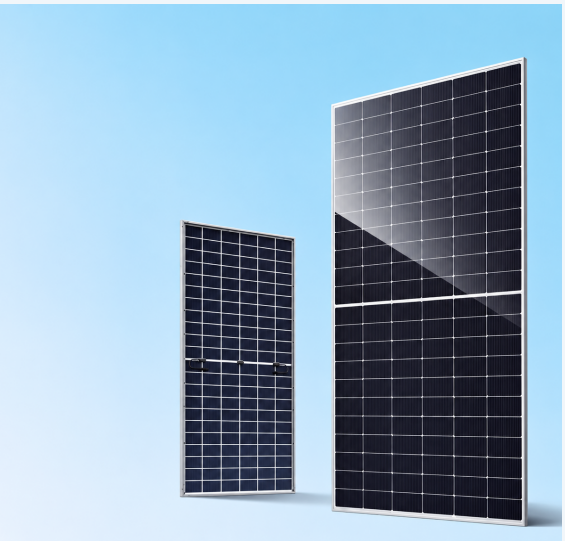
High-Efficiency Bifacial PV Modules

n-type | Double Glass | Utility & C&I Solar Applications

JAM72D42 LB

JA Solar | n-type double-glass bifacial



650 W **Max. efficiency 23.3%**

Module weight: 34.6 kg

JAM66D45 LB

JA Solar | n-type double-glass bifacial



620 W **Max. efficiency 23.0%**

Module weight: 33.1 kg

Key Advantages

- **Bifacial energy yield**
  Double-glass modules designed for rear-side irradiance gains.
- **n-type cell technology**
  Low light-induced degradation and improved low-light response.
- **Durable construction**
  2.0 mm front and rear glass; 1,500 V DC system rating.
- **Long-term warranties**
  12-year product and 30-year linear power warranties stated.

Applications

Utility-scale solar farms | Commercial rooftops | Solar + BESS | Carports | Hybrid microgrids

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Technical Specifications

Manufacturer-rated 650 W and 620 W module variants at STC

ELECTRICAL PERFORMANCE AT STC			
Model	JAM72D42-650/LB	|	JAM66D45-620/LB
Maximum power (Pmax)	650 W	|	620 W
Module efficiency	23.3%	|	23.0%
Open-circuit voltage (Voc)	53.27 V	|	48.50 V
Maximum-power voltage (Vmp)	44.67 V	|	40.21 V
Short-circuit current (Isc)	15.41 A	|	16.13 A
Maximum-power current (Imp)	14.55 A	|	15.42 A
Power tolerance	0 to +3%	|	0 to +3%

MECHANICAL & ENVIRONMENTAL			
Dimensions (L x W x H)	2465 x 1134 x 30 mm	|	2382 x 1134 x 30 mm
Weight	34.6 kg	|	33.1 kg
Front / rear glass	2.0 / 2.0 mm	|	2.0 / 2.0 mm
Maximum system voltage	1500 V DC	|	1500 V DC
Operating temperature	-40 C to +85 C	|	-40 C to +85 C
Maximum front static load	5400 Pa	|	5400 Pa
Maximum rear static load	2400 Pa	|	2400 Pa
Temperature coeff. Pmax	-0.290% / C	|	-0.290% / C

Warranty & Project Verification

Manufacturer states a 12-year product warranty and a 30-year linear power output warranty. Confirm Canadian approvals, module availability, current certificates and project-specific design before procurement.

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