

Energreen 435 Wp Full BLK

We know that each of our Energreen panels will deliver more energy and perfect reliability over the long term. With its N-type cells and Bi-glass structure, you'll benefit from a long-term guarantee for high-efficiency production (22.8%) with complete peace of mind.

Premium design and superior performance





n-type cells Superior reliability and reduced LID/LETID loss



Dark monocristallin cells Perfect integration on the roof



22.8% High Efficiency High conversion efficiency



Bifacial Double Glass Very high durability

Premium Warranty



30

YEARS product warranty



30

YEARS linear power output warranty (Max 0,42%/year)























Product certifications

IEC 62941: 2019 Terrestrial photovoltaic modules -Quality system for PV module manufacturing

ISO 45001: 2018 Occupational health and safety management systems

ISO 14001: 2015 Environmental management systems

ISO 9001: 2015 Quality management systems

IEC 61215, IEC 61730

Electrical parameters at STC

Rated maximum power (Pmax) [W]: 435

Open circuit voltage (Voc) [V]: 38.70

Maximum power voltage (Vmp) [V]: 32.29

Short circuit current (lsc) [A]: 14.23

Maximum power current (lmp) [A]: 13.47

Module efficiency [%]: 21.8

Power tolerance: 0-+5W

Temperature coefficient of lsc (α _lsc): +0.046%

Temperature coefficient of lsc (α _lsc): +0.046%/C Temperature coefficient of Voc (β _Voc): -0.260%/C Temperature coefficient of Pma (γ _Pmp): -0.300%/C

STC: Irradiance 1000W/m2, cell temperature 25C,

AM1.5G

Operating conditions

RMaximum system volgta: 1500V DC
Operating temperature: -40C - +85C

Maximum series fuse rating: 30A

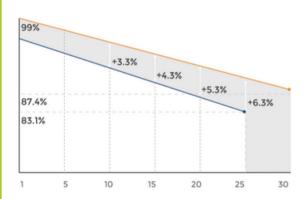
Maximum static load, front: 5400 Pa (112 lb/ft²) Maximum static load, black: 2400 Pa (50 lb/ft²)

NOCT: $45 \pm 2C$ Bifaciality: $80\% \pm 10\%$ Fire performance: UL Type

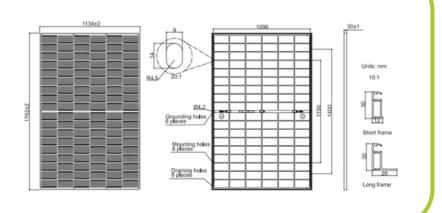
Superior warranty

1% 1st-year degradation

0.4% annual degradation over 30 years



*n-type bifacial double glass module linear performance warranty
*standard module linear performance warranty



Cell: Mono - 16BB

Weight: 22kg

Dimensions: 1762 ± 2 mmx 1134 ± 2 mmx 30 ± 1 mm

Cable cross section size: 108(6x18)

Junction box: IP68, 3diodes

Connector: QC 4.10-351/MC4-EV02A

Cable length: Portrait: Portrait: 300mm(+)/400mm(-);
(incudiing connector) (800mm(+)/800mm(-)(Leapfrog)

Landscape: 1200mm(+)/1200mm(-)

Front glass/Back glass: 1.6mm/1.6mm