


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.





Scan for more information

Premium design and superior performance

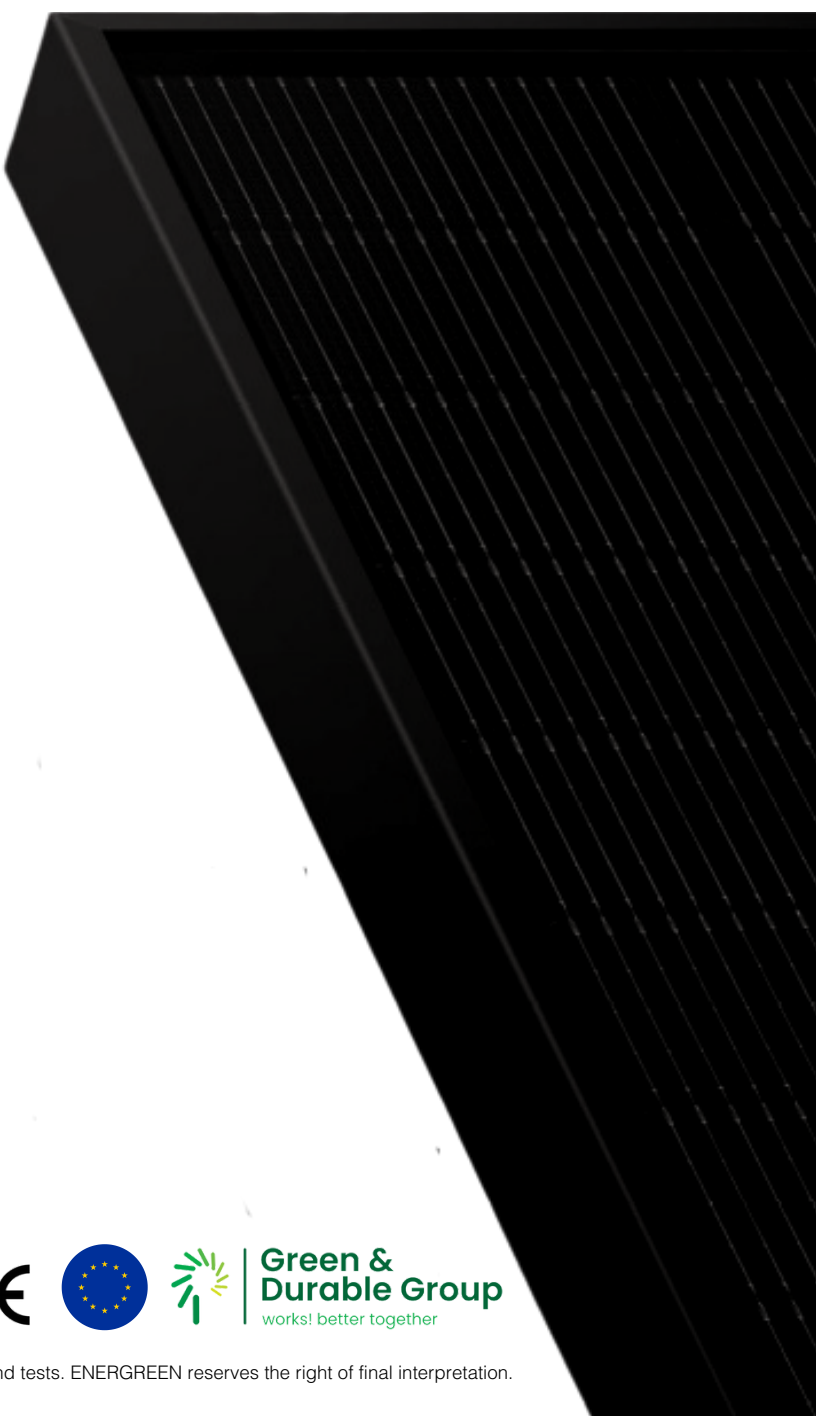
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n-type cells
Superior reliability and reduced LID/LETID loss
- 


Dark monocrystallin 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

Operating conditions

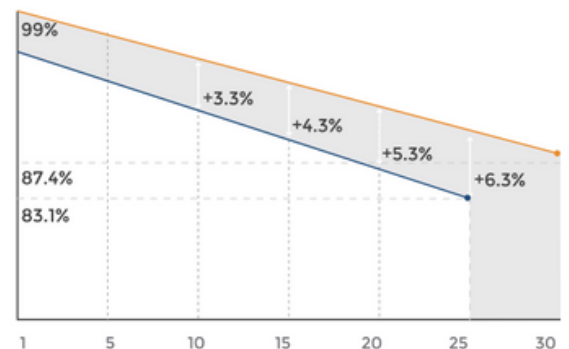
Maximum system voltage: 1500V DC
 Operating temperature: -40C - +85C
 Maximum series fuse rating: 30A
 Maximum static load, front: 5400 Pa (112 lb/ft²)
 Maximum static load, back: 2400 Pa (50 lb/ft²)
 NOCT: 45 ±2C
 Bifaciality: 80% ±10%
 Fire performance: UL Type

Electrical parameters at STC

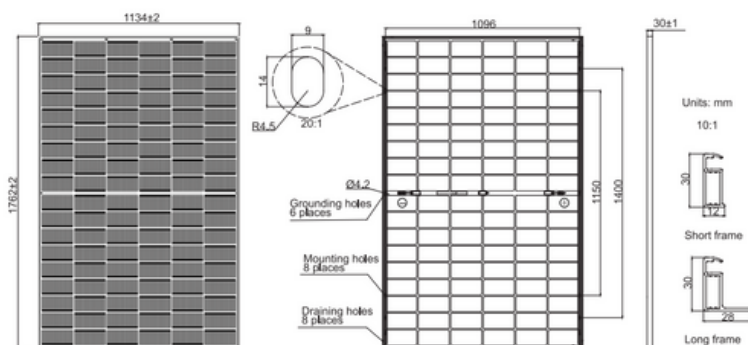
Rated maximum power (P_{max}) [W]: 435
 Open circuit voltage (V_{oc}) [V]: 38.70
 Maximum power voltage (V_{mp}) [V]: 32.29
 Short circuit current (I_{sc}) [A]: 14.23
 Maximum power current (I_{mp}) [A]: 13.47
 Module efficiency [%]: 21.8
 Power tolerance: 0-+5W
 Temperature coefficient of I_{sc} (α_{Isc}): +0.046%/C
 Temperature coefficient of V_{oc} (β_{Voc}): -0.260%/C
 Temperature coefficient of P_{ma} (γ_{Pmp}): -0.300%/C
 STC: Irradiance 1000W/m², cell temperature 25C, AM1.5G

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±2mmx1134±2mmx30±1 mm
 Cable cross section size: 108(6x18)
 Junction box: IP68, 3diodes
 Connector: QC 4.10-351/MC4-EVO2A
 Cable length: Portrait: Portrait: 300mm(+)/400mm(-);
 (including connector) (800mm+)/800mm(-)(Leapfrog)
 Landscape: 1200mm(+)/1200mm(-)
 Front glass/Back glass: 1.6mm/1.6mm