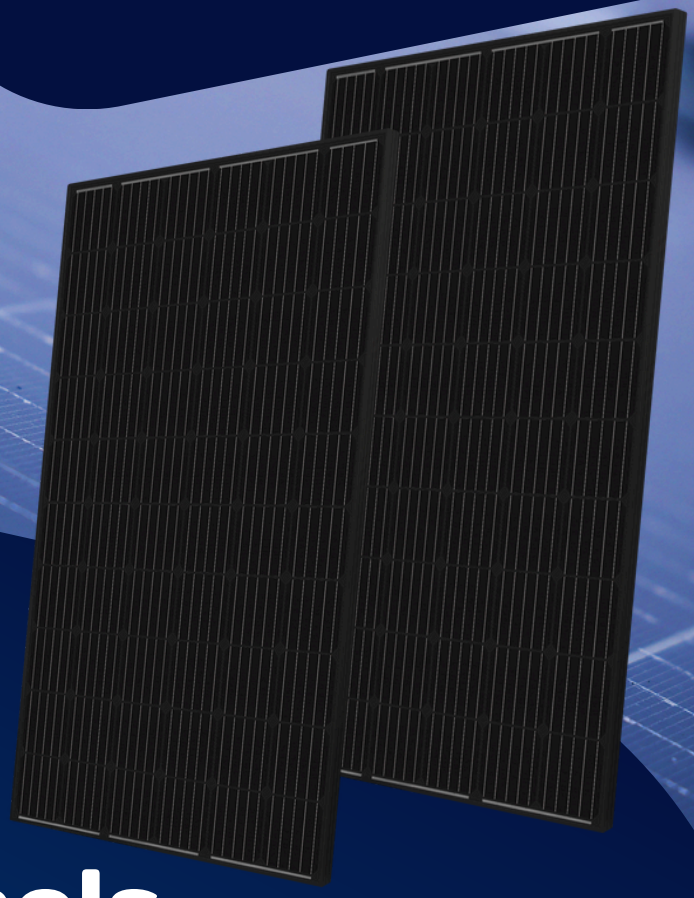
Ohk energy



TW Solar Panels

Glass-Glass Black 435W

- N-Type half-cell bifacial module with advanced technology for higher efficiency
- Glass on glass design for enhanced durability and performance
- High power output with up to 450W for maximum energy yield
- Fire rating class A, the superior safety rating
- Low LCOE optimised for cost efficiency and long-term value
- 25 year product warranty and 30 year power warranty ensures reliable performance over decades

TW SOLAR

TW Solar Glass-Glass Black 435W Bifacial Module

Specification	Details
Electrical Characteristics (STC)	
Module Type	TWMNH-48HC435
Warranty	25-Year Product and 30-Year Power Warranty
Maximum Power (Pmax)	435W
Open Circuit Voltage (Voc)	34.49V
Short Circuit Current (Isc)	15.90A
Voltage at Maximum Power (Vmp)	29.54V
Current at Maximum Power (Imp)	14.73A
Module Efficiency (%)	21.8%
Electrical Characteristics (NMOT)	
Maximum Power (Pmax)	327W
Open Circuit Voltage (Voc)	32.77V
Short Circuit Current (Isc)	12.84A
Voltage at Maximum Power (Vmp)	27.51V
Current at Maximum Power (Imp)	11.89A
Electrical Characteristics (Rear Power Gain)	
Maximum Power (Pmax) Module Efficiency 5%	456W / 22.8%
Maximum Power (Pmax) Module Efficiency 15%	500W / 25.0%
Maximum Power (Pmax) Module Efficiency 25%	543W / 27.2%
Temperature Parameters	
Temperature Coefficient (Pmax)	-0.30% / °C
Temperature Coefficient (Voc)	-0.25% / °C
Temperature Coefficient (Isc)	+0.046% / °C
NMOT	45±2°C
Maximum Ratings	
Operational Temperature	-40°C -+ 85°C
Maximum System Voltage	1500V DC
Maximum Series Fuse Rating	30A
Power Output Tolerance	0-+5w
Maximum Bifaciality	80±10%
Mechanical Specifications	
Cells	TNC (N Type Monocrystalline Cell)
Dimensions	1762 ± 2 x 1134 ± 2 × 30 mm
Weight	20.9 kg
Front Glass	1.6 mm high-transmittance AR tempered glass
Rear Glass	1.6 mm semi-tempered glass
Frame	4.0 mm robust design
Environmental Ratings	
Wind/Snow Load	2400Pa/5400Pa

TW SOLAR