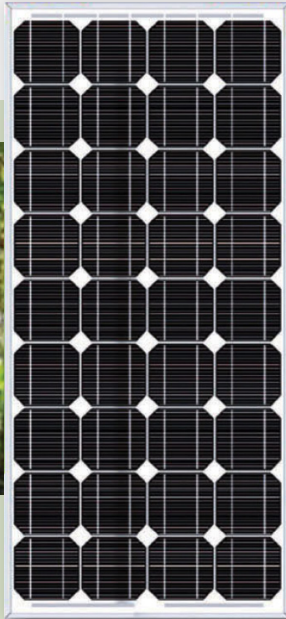


THINK-135

HIGH EFFICIENCY MONOCRYSTALLINE
PHOTOVOLTAIC MODULE



think
solarenergy

Product Features

- High conversion efficiency based on over 8 years professional experience
- High reliability with guaranteed -3% to +3% power output tolerance, ensuring return on investment
- Proven materials, tempered front glass and a sturdy anodized aluminum frame allow modules to operate reliably in multiple mountily configuration
- Combination of high efficiency and attractive appearance.

Quality and Safety

- 10 years limited warranty of 90% power output, 25 year limited warranty of 80% power output, 60 months limited product warranty
- Rigorous quality control meeting the highest international standards
- ISO 9001:2008 (Quality Management System) certified factories manufacturing world class products
- IEC61215, Safety tested IEC61730, conformity to CE
- Product Quality Warranty & Product Liability Insurance guaranteed end users' benefit

Recommended Applications

- Residential rooftop systems
- On-grid utility systems
- On-grid commercial systems
- Off-grid PV systems
- Others



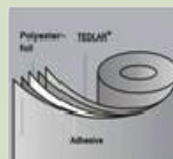
THINK's technology yield improvements to cells texturing, BSF structure and anti-reflective coatings to increase conversion efficiency



Unique design on drainage holes and rigid construction prevents frame from deforming or breaking due to freezing weather and other forces



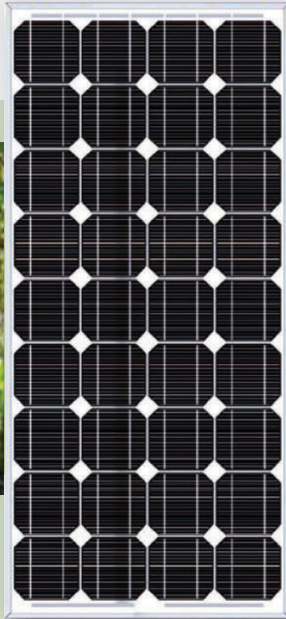
The module provides more field power output through an advanced THINK solar glass, which transperance can reach 92%



The improved gloss of the Tedlar surface effects a special reflection to the solar radiation to increase conversion efficiency and resist weather and moisture

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Electrical Characteristics	
Characteristics	THINK135 / 1483 X 665 X 35mm
Maximum power (Pmax)	135Wp
Voltage at Pmax (Vmp)	17.2V
Current at Pmax (Imp)	7.85A
Open-Circuit Voltage (Voc)	21.6V
Short-Circuit Current (Isc)	8.19A
Maximum System Voltage	1000V DC
Maximum Series Fuse Rating	11A
NOCT	45+-2%/°C
Power Tolerance	+5%

Mechanical Characteristics	
Solar Cell	Mono-crystalline 156 X 156mm
No. of Cells	36 (4X9)
Dimensions	1483X665X35mm
Weight	12kg
Construction	Front side: High transmission 3.2mm tempered glass Back side: Tedlar, white Encapsulation :EVA
Junction Box	IP 65 Rated NANYANG 4.0mm ² , lengths (+-)
Output-Cables	900mm, compatible with MC IV connectors
Frame	anodized aluminium

Qualification Test Parameters	
Temperature	-40°C to +85°C
Max Load	50psf (2400 pascals)
Hailstone impact	25mm (1 inch) at 23m/s (52mph)

Temperature Coefficients	
Temperature Coefficient of Pmax	-0.45% / K
Temperature Coefficient of Voc	-0.35% / K
Temperature Coefficient of Isc	0.055% / K

at 1000 W/m², 25°C, air mass: 1.5

