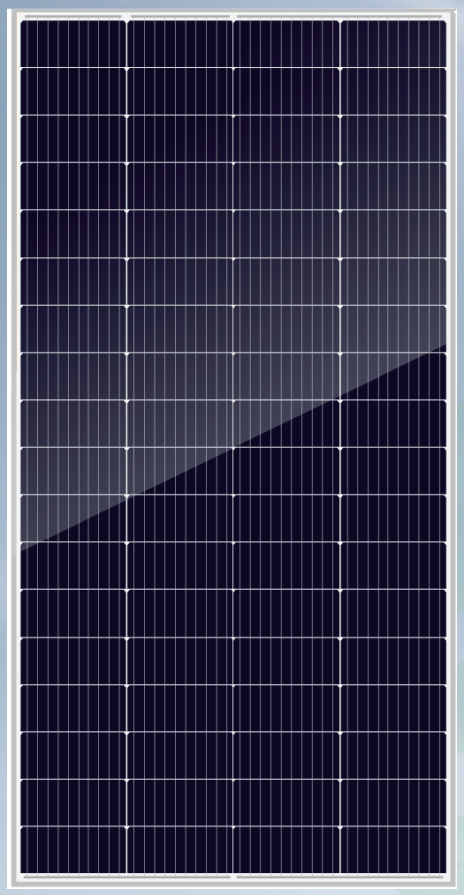
Thalesolar

PERC G10 Series
270W

72-cell PERC Half Cell Solar Module



SMBB design with Half-Cut Technology

Shorter current transmission distance, less resistive loss and higher cell efficiency.

Sealing with PIB based sealant

Stronger water resistance, greater air impermeability to extent module lifespan.

Higher reliability

Industrial leading product and performance warranty, ensuring modules' consistent outstanding performance.

Suitable for Utility project

Lower BOS cost, lower LCOE.

WARRANTY

Product Warranty **15** years

Linear Power Warranty **25** years

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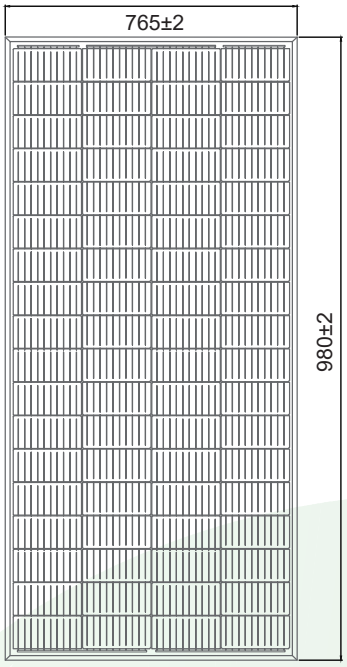
Engineering Drawings

Unit: mm



Electrical Characteristics (STC*)

THS-D36HP	270W
Maximum Power (Pmax)	270W
Module Efficiency (%)	20.46%
Optimum Operating Voltage(Vmp)	41.76V
Optimum Operating Current (Imp)	6.47A
Open Circuit Voltage (Voc)	46.80V
Short Circuit Current (Isc)	6.86A
Operating Module Temperature	-40 to +85°C
Maximum System Voltage	DC1000V (IEC)
Maximum Series Fuse	15A
Power Tolerance	0~+5W

*STC: Irradiance 1000 W/m², cell temperature 25°C, AM=1.5. Tolerance of Pmax is within +/- 3%.

Temperature Characteristics

Nominal Operating Cell Temp.(NOCT)	45°C±2°C
Temperature Coefficient of Pmax	-0.35%/°C
Temperature Coefficient of Voc	-0.28%/°C
Temperature Coefficient of Isc	0.048%/°C

Safety & Warranty

Safety Class	Class II
Product Warranty	15 yrs Workmanship
Performance Warranty	25 yrs Linear Warranty*

Mechanical Characteristics

Cell Type	PERC Mono 182X91mm
Cell Connection	72(4X18)
Module Dimension	1725X765X30mm
Weight	18.5kg
Junction Box	IP67
Output Cable	4mm², 900mm in length, length can be customized/UV resistant
Connectors Type	MC4 original/MC4 compatible
Frame	Anodised aluminum alloy
Encapsulant	EVA
Front Load	5400Pa
Rear Load	2400Pa
Glass Thickness	Solar glass 3.2mm

Shipping Configurations

Container Type	HC
Container Size	40'
Modules Per Container (pcs)	1380

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