

ALL

BLACK | PERC TECHNOLOGY |

KEY FEATURES



12 years
**Product
Warranty**



25 years
**Performance
Warranty**



Cell efficiency
up to **22.1%**



Module efficiency
up to **20.1%**



Heavy snow load
up to **5,400 Pa**

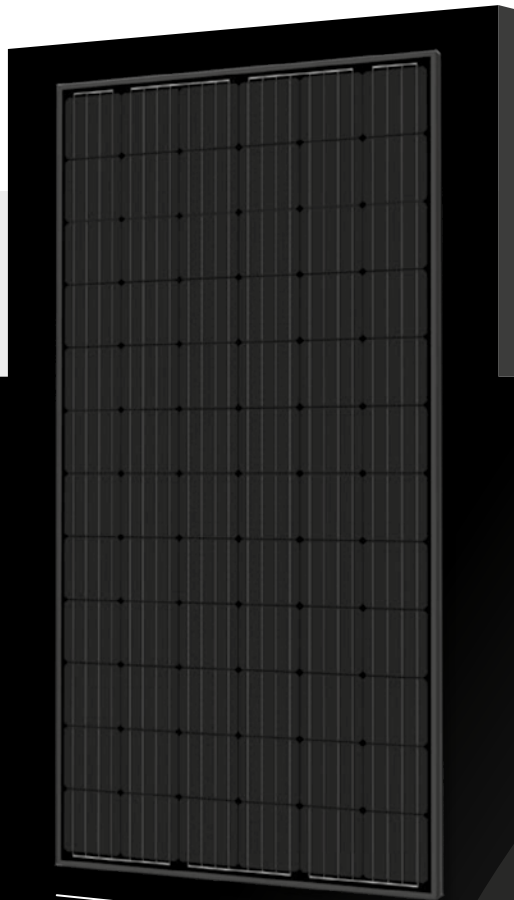


Wind load
up to **2,400 Pa**



PID Free

CE



ELECTRICAL PARAMETERS

Model	IBS72M ALL BLACK		
Maximum Power (P _{max} /W)	380	385	390
Operating Voltage (V _{mpp} /V)	39.8	40.0	40.2
Operating Current (I _{mp} /A)	9.55	9.63	9.70
Open-Circuit Voltage (V _{oc} /V)	48.4	48.6	48.8
Short-Circuit Current (I _{sc} /A)	9.99	9.06	10.13
Module Efficiency η_m (%)	19.58	19.84	20.09
Power Tolerance	0+5 W _p		
NOCT	47±2°C		

Values at Standard Test Conditions STC (AM 1.5, Irradiance 1000 W/m², Cell Temperature 25°C)

SPECIFICATIONS

Cell Type	Mono Crystalline
Cells size	156,75 x 156,75 mm
Number of cells	72
Weight	21.0 kg
Front side glass	3,2 mm hardened solar tempered glass
Dimensions	1,956x992x35 mm
Cable length	1,000 mm available
Cable cross section size	4 mm ²
Number of bypass diodes	3
Connectors	MC4 compatible
Frame	Anodized Aluminium Alloy
Junction Box	IP67

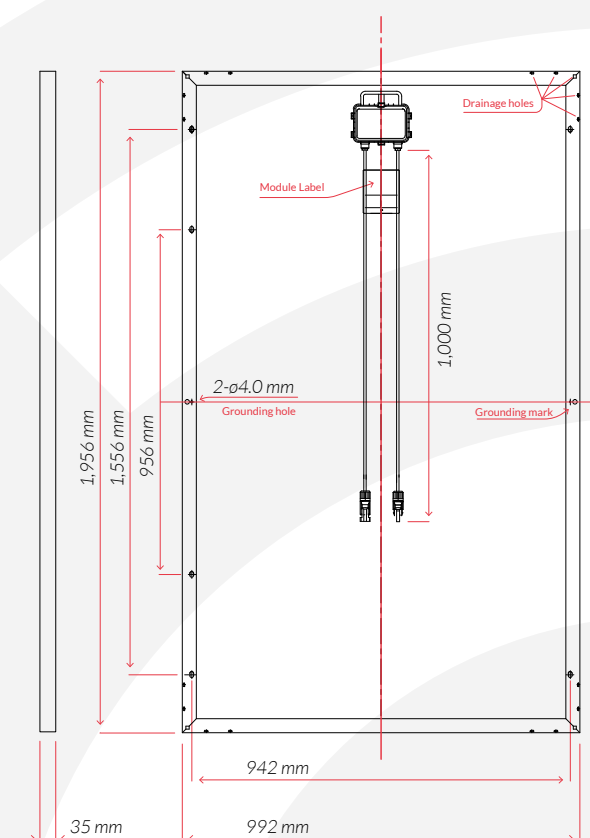
WORKING CONDITIONS

Maximum System Voltage	DC 1,000 V (IEC) / 1,500 V available
Operating temperature	-40 °C / +85 °C
Maximum reverse current	15A
IP protection level	IP65
Safety class	II

TEMPERATURE COEFFICIENTS

Power temperature coefficient (P _{max})	-0,38 %/°C
Voltage temperature coefficient (V _{oc})	-0,29 %/°C
Current temperature coefficient (I _{sc})	+0,052 %/°C

ENGINEERING DRAWINGS



PACKAGING INFORMATION (I)

Pallet dimension	2,010/1,120/1,130 mm		
Pallet weight	640 kg		
Modules/pallet	30		

PACKAGING INFORMATION (II)

Container	20 GP	40 HQ (I)	40 HQ (II)
Pallets per container	10	24	24
Pieces per container	300	720	780

PARTNERS