

BLACK **IBS132M** 650W-660W FRAME

KEY FEATURES



years
**Product
Warranty**



years
**Performance
Warranty**



Cell
efficiency up
to **23.50 %**



Module
efficiency
up to

21.41 %



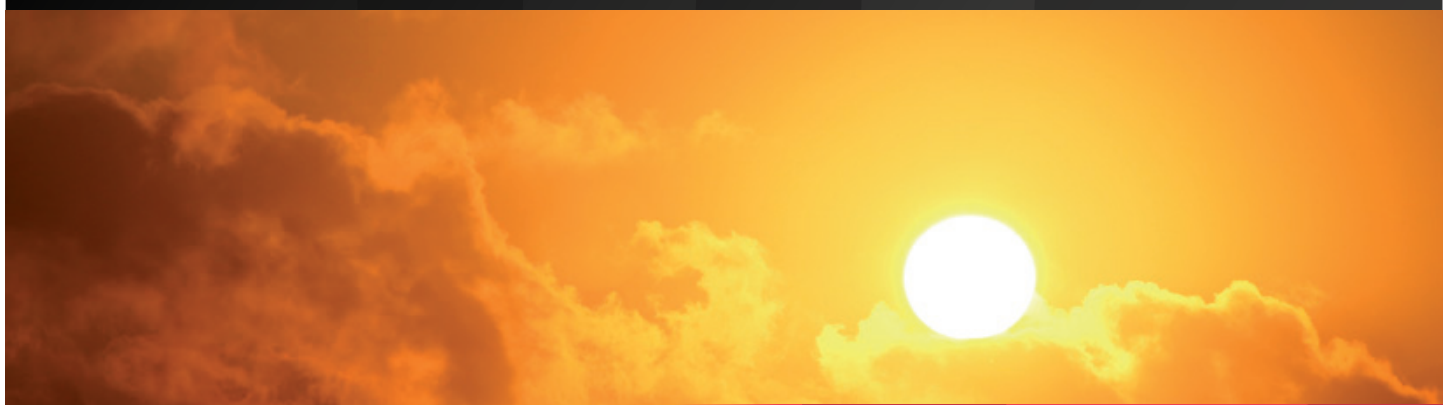
Heavy snow load
up to **5,400 Pa**



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



PID Free



ELECTRICAL PARAMETERS

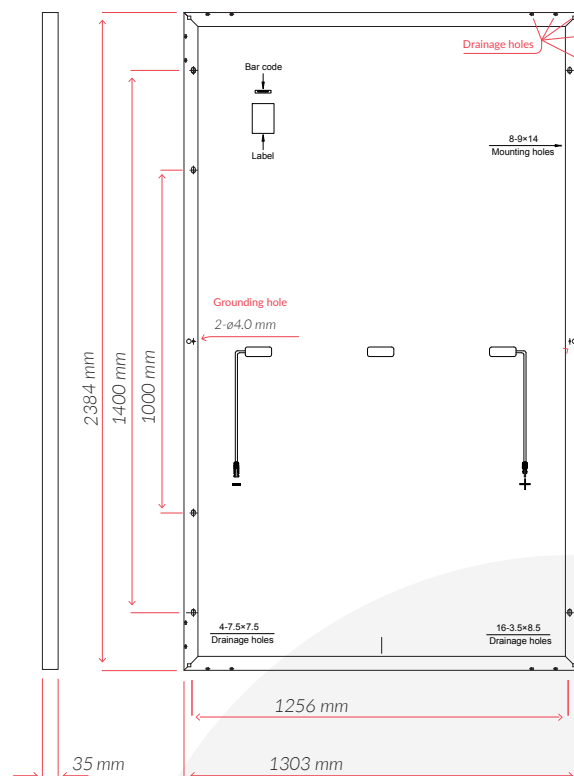
Model	IBS132M BlackFrame		
Maximum Power (Pmax/W)	650	655	660
Operating Voltage (Vmpp/V)	37.7	37.9	38.1
Operating Current (Impp/A)	17.26	17.31	17.36
Open-Circuit Voltage (Voc/V)	45.5	45.7	45.9
Short-Circuit Current (Isc/A)	18.36	18.41	18.46
Module Efficiency η_m (%)	20.92	21.09	21.25
Power Tolerance	0+3 Wp		
NOCT	43°C±2°C		

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

SPECIFICATIONS

Cell Type	Mono Crystalline PERC
Cells size	210x105mm
Number of cells	132(6x22)
Weight	34.0 kg
Front side glass	3,2 mm hardened solar tempered glass
Dimensions	2,384x1,030x35 mm
Cable length	300 mm / 1200 mm
Cable cross section size	4 mm ²
Number of bypass diodes	3
Connectors	MC4 compatible
Frame	Anodized Aluminium Alloy
Junction Box	IP68

ENGINEERING DRAWINGS



WORKING CONDITIONS

Maximum System Voltage	DC 1,000 V (IEC) / 1,500 V available
Operating temperature	-40°C / +85° C
Maximum reverse current	20A
IP protection level	IP68
Safety class	II

TEMPERATURE COEFFICIENTS

Power temperature coefficient (Pmax)	-0,34 %/°C
Voltage temperature coefficient (Voc)	-0,26 %/°C
Current temperature coefficient (Isc)	+0,05 %/°C



PACKAGING INFORMATION (I)

Pallet dimension	2,510/1,125/1,330 mm
Pallet weight	1.100 kg
Modules/pallet	31

PACKAGING INFORMATION (II)

Container	20 GP	40 HQ
Pallets per container	4	17
Pieces per container	124	527

PARTNERS