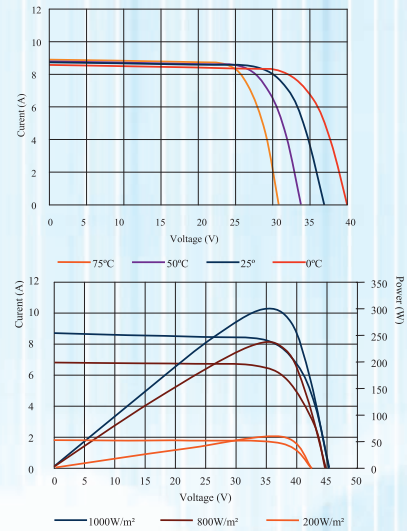
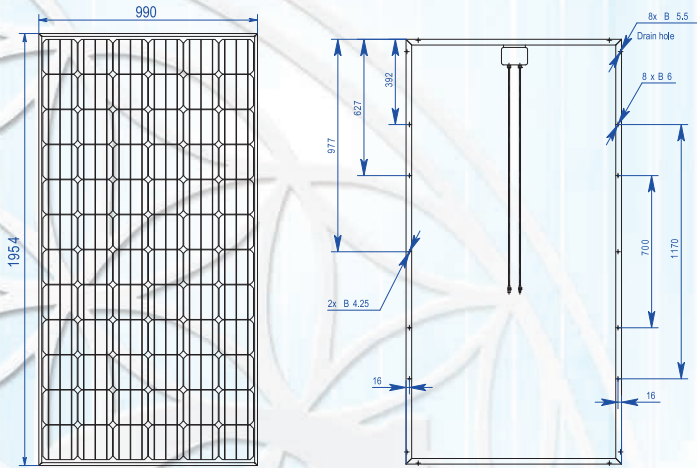


HS-MB1/310



Physical Characteristics

Cells per Module	72 Cells (6x12)
Cell Type	Mono-crystalline Silicon
Module Dimension (L x W x H)	1954x990x38 (mm)
Module Weight	21Kg
Frame	Anodized Aluminum (Black frame available by customer order)
Front Glass	4 mm Tempered Glass
Junction Box	IP66/IP65, 4mm ²
Cable Length(+/-)	1000mm

Electrical Characteristics

Item	Unit	HS-MB1/310
Max. Power (Pmax)	W	310
Open circuit voltage (Voc)	V	45,40
Short circuit current (Isc)	A	8,96
Max. Power voltage (Vmp)	V	37,00
Max. Power current (Imp)	A	8,38
Module efficiency	%	16,03
Power tolerance	W	0~+4,99

*STC (Standard Test Condition): 1000W/m², AM 1.5, 25°C

Permissible operating conditions

Temperature range	-40 to +85 °C
Maximum system voltage	1,000V DC(IEC), 600V DC(UL)
Maximum surface load cap	5,400Pa
Maximum hailstone impact (diameter / velocity)	25mm / 23m/s

*NOCT (Nominal Operating Cell Temperature): 800W/m², 20°C, wind speed 1m/s

Thermal Characteristics

	Rating	Unit	Value
	NOCT	°C	47±2
Temperature coefficient	I _{SC}	%/°C	+ 0,04
	V _{OC}	%/°C	- 0,32
	P _{MAX}	%/°C	- 0,44

Packing Specifications

Packing box dimension (L x W x H)	1980 x 800 x 1150 (mm)
Number of modules per pallet	20