

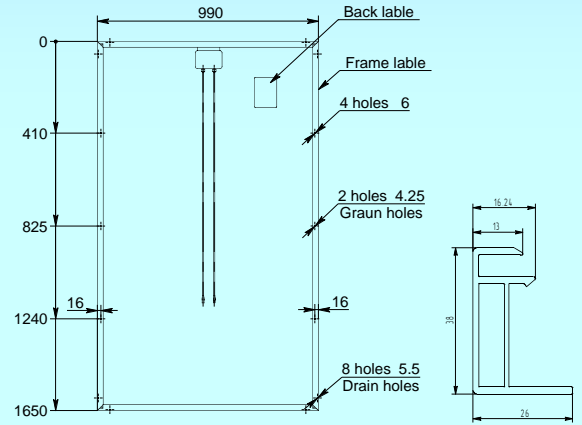


Mono Crystalline Solar Module

HS-MB2 Series

Physical Characteristics

Cells per Module	60 Cells (6x10)
Cell Type	Mono-crystalline Silicon
Module Dimension (L x W x H)	1650x990x38 (mm)
Module Weight	18,5Kg
Frame	Anodized Aluminum (Black frame available by customer order)
Front Glass	3.2mm Tempered Glass
Junction Box	IP66 / IP65, 4mm ²
Cable Length	1000mm



Electrical Characteristics

Item	Unit	HS-MB2/250	HS-MB2/255	HS-MB2/260	HS-MB2/265	HS-MB2/270	HS-MB2/275	HS-MB2/280
Max. Power (Pmax)	W	250	255	260	265	270	275	280
Open circuit voltage (Voc)	V	37,30	37,70	38,10	38,50	38,70	38,90	39,00
Short circuit current (Isc)	A	9,00	9,02	9,04	9,06	9,08	9,10	9,10
Max. Power voltage (Vmp)	V	29,90	30,30	30,90	31,40	31,40	32,00	32,50
Max. Power current (Imp)	A	8,37	8,42	8,42	8,44	8,60	8,60	8,62
Module efficiency	%	15,30	15,61	15,92	16,22	16,53	16,84	17,14
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

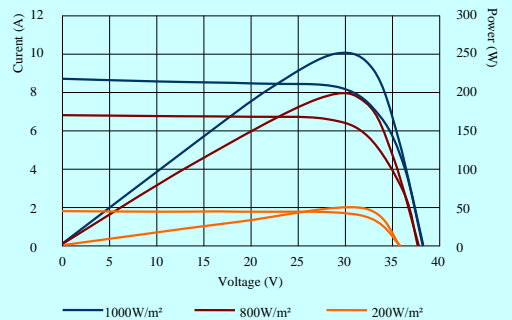
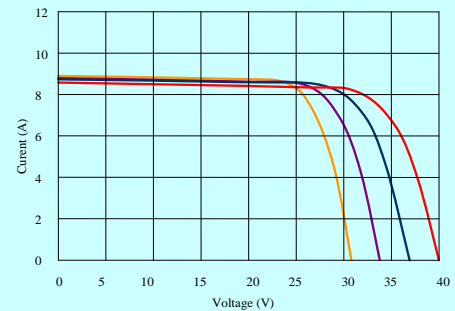
Thermal Characteristics

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

Packing Specifications

Packing box dimension (L x W x H)	1670x800x1150 (mm)
Number of modules per pallet	20

I-V Curves



Warranty

10 Years of product warranty.
 10 Years for 90% of warranty min. power.
 25 Years for 80% of warranty min. power.

Qualifications and Certificates

