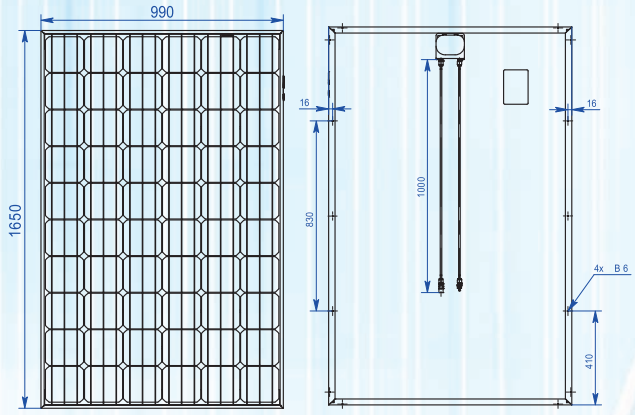
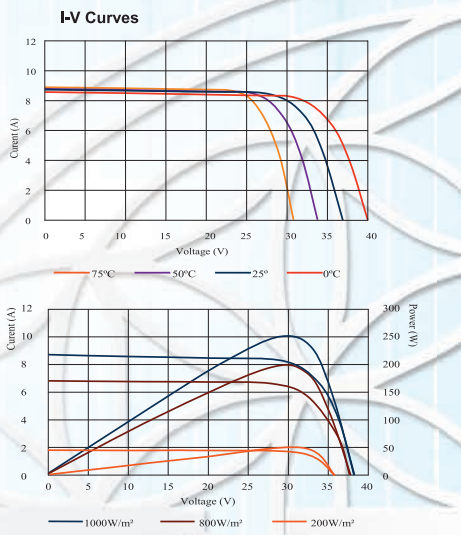
HS-MB2/290





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, 4mm²
Cable Length(+/-)		1000mm
Electrical Characteristics		
Item	Unit	HS-MB2/290
Max. Power (Pmax)	W	290
Open circuit voltage (Voc)	V	39,15
Short circuit current (Isc)	A	9,12
Max. Power voltage (Vmp)	V	33,00
Max. Power current (Imp)	A	8,79
Module efficiency	%	17,75
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 ºC
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	ºC	47±2
Temperature coefficient I_{SC}	%/˚C	+ 0,04
Temperature coefficient V_{OC}	%/˚C	– 0,32
Temperature coefficient 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