



SBFC
HIGH TECH

SBFC390-414M10

390-415Watt

182mm 108 Cells PV Solar Module



MBB PERC
Half Cut Cell



Excellent Low-light
Performance



100% Inspection
Guarantee Reliability



Anti PID

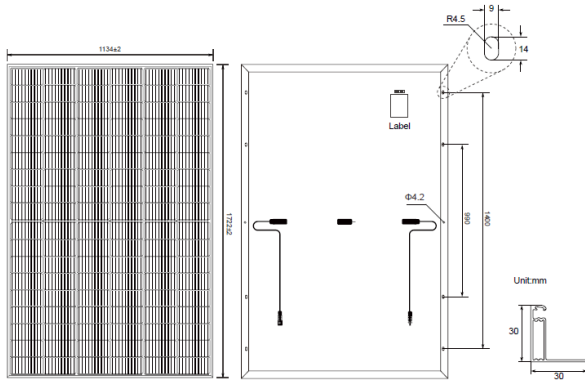


Strengthened
Mechanical Load



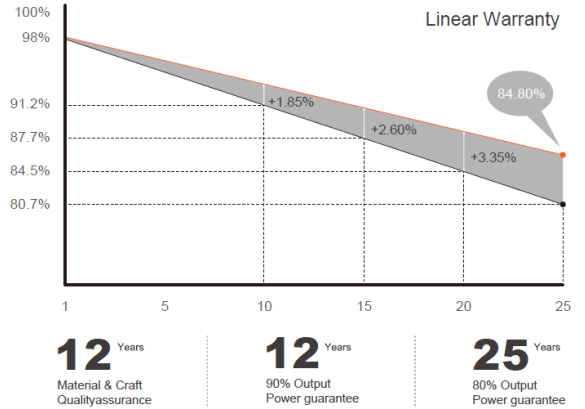
High Density
Packaging





All Dimensions in mm

The above drawing is a graphical representation of the product.
For engineering quality drawings please contact SUNKET.



Electrical Characteristics (STC/NOCT)

Module Type	390M10		395M10		400M10		05M10		10M10		415M10	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power- Pmax(W)	390	294	395	298	400	302	405	306	410	310	415	314
Open Circuit Voltage - Voc(V)	36.85	34.62	36.98	34.75	37.07	34.88	37.23	35.12	37.32	35.23	37.45	35.37
Short- Circuit Current - Isc(A)	13.61	10.89	13.70	10.96	13.79	11.03	13.87	11.10	13.95	11.16	14.02	11.22
Voltage at Pmax -Vmp(V)	30.64	28.87	30.84	29.08	31.01	29.26	31.21	29.47	31.45	29.72	31.61	29.89
Current at Pmax - Imp(A)	12.73	10.18	12.81	10.25	12.90	10.32	12.98	10.38	13.04	10.43	13.13	10.50
Module Efficiency - η_m (%)	20.0	/	20.2	/	20.5	/	20.8	/	21.0	/	21.3	/
Power Tolerance(W)	(0, +4.99W)											
Maximum System Voltage(V)	1500Vdc (IEC / UL)											
Maximum Series Fuse Rating (A)	25A											

STC : Irradiance 1000W/m², Cell Temperature 25°C, Air Mass 1.5

NOCT : Irradiance 800W/m², Ambient Temperature 20°C, Air Mass 1.5, Wind Speed 1m/s

Mechanical Specifications

External Dimensions	1722x1134x30mm
Weight	20.5g
Solar Cells	Mono crystalline 182mm (2x54pcs)
Front Glass	AR Coated 3.2 mm tempered glass
Frame	Anodized aluminum alloy
Junction Box	IP68
Output Cables	4.0mm ² , 50cm (+), 50cm (-), length can be customized
Connector	MC4 Compatible
Mechanical Load	Front Side Max. 5400Pa, Rear Side Max. 2400Pa

Temperature Characteristics

Pmax Temperature Coefficient	-0.350%/°C
Voc Temperature Coefficient	-0.275%/°C
Isc Temperature Coefficient	+0.045%/°C
Operating Temperature	-40 ~ +85°C
Nominal Operating Cell Temperature(NOCT)	45±2°C

Packing Configuration

	1722x1134x30mm	
Container	20'GP	40'HQ
Pieces per Pallet	36	36
Pallets per Container	6	26
Pieces per Container	216	936

Current-Voltage & Power-Voltage Curves (SBFC415M10)

