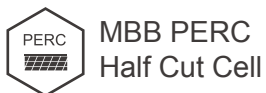


# PV-OSI-405W-ALLBLK

## 405 Watt

182mm 108Cells All Black PV Module



MBB PERC  
Half Cut Cell



Excellent Low-light  
Performance



100% Inspection  
Guarantee Reliability



Anti PID



5400Pa  
Strengthened  
Mechanical Load



High Density  
Packaging

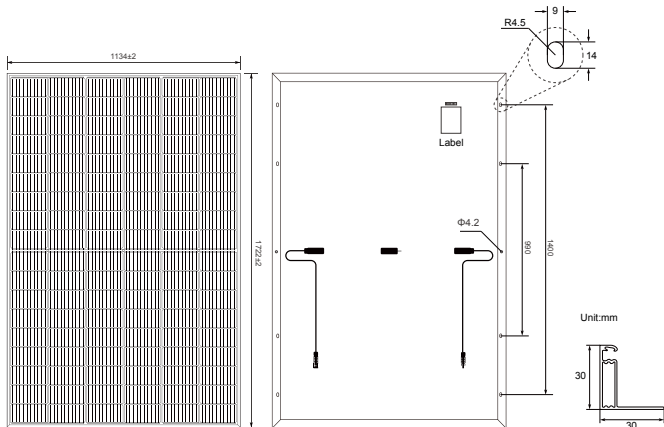


Part No. SKT405M10

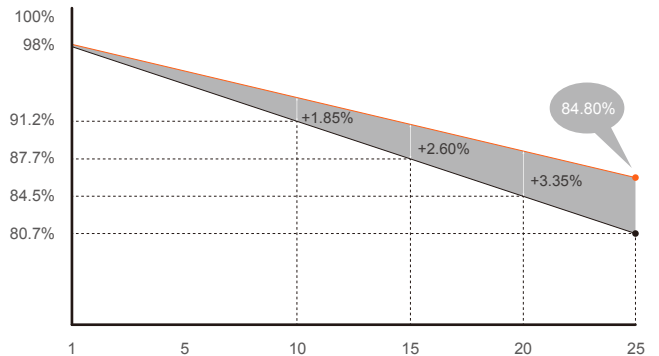
MCS Certificate Number: BABT 8809 R0

Made in PRC





All Dimensions in mm  
The above drawing is a graphical representation of the product.  
For engineering quality drawings please contact OSILY.



**15** Years  
Material & Craft  
Quality assurance

**15** Years  
90% Output  
Power guarantee

**30** Years  
80% Output  
Power guarantee

## Electrical Characteristics (STC/NOCT)

Module Type	OSI385AB		OSI390AB		OSI395AB		OSI400AB		OSI405AB		OSI410AB	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power- Pmax(W)	385	290	390	294	395	298	400	302	405	306	410	310
Open Circuit Voltage - Voc(V)	36.76	34.49	36.85	34.62	36.98	34.75	37.07	34.88	37.23	35.12	37.32	35.23
Short- Circuit Current - Isc(A)	13.53	10.82	13.61	10.89	13.70	10.96	13.79	11.03	13.87	11.10	13.95	11.16
Voltage at Pmax -Vmp(V)	30.44	28.66	30.64	28.87	30.84	29.08	31.01	29.26	31.21	29.47	31.45	29.72
Current at Pmax - Imp(A)	12.65	10.11	12.73	10.18	12.81	10.25	12.90	10.32	12.98	10.38	13.04	10.43
Module Efficiency -ηm(%)	19.8	/	20.0	/	20.2	/	20.5	/	20.8	/	21.0	/
Power Tolerance(W)	(0, +4.99W)											
Maximum System Voltage(V)	1500Vdc (IEC / UL)											
Maximum Series Fuse Rating (A)	25A											

STC : Irradiance 1000W/m<sup>2</sup>, Cell Temperature 25 °C, Air Mass 1.5

NOCT : Irradiance 800W/m<sup>2</sup>, Ambient Temperature 20 °C, Air Mass 1.5, Wind Speed 1m/s

## Mechanical Specifications

External Dimensions	1724x1134x30mm
Weight	20.5g
Solar Cells	Mono crystalline 182mm (2x54pcs)
Front Glass	AR Coated 2.0+2.0 mm tempered glass
Frame	Anodized aluminum alloy
Junction Box	IP68
Connector	MC4 EVO2
Mechanical Load	Front Side Max. 5400Pa, Rear Side Max. 2400Pa

## Packing Configuration

	1724x1134x30mm	
Container	20'GP	40'HQ
Pieces per Pallet	36	36
Pallets per Container	6	26
Pieces per Container	216	936

## 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

Specifications are subject to change without further notification

## Current-Voltage & Power-Voltage Curves (PV-OSI-405W-ALLBLK)

