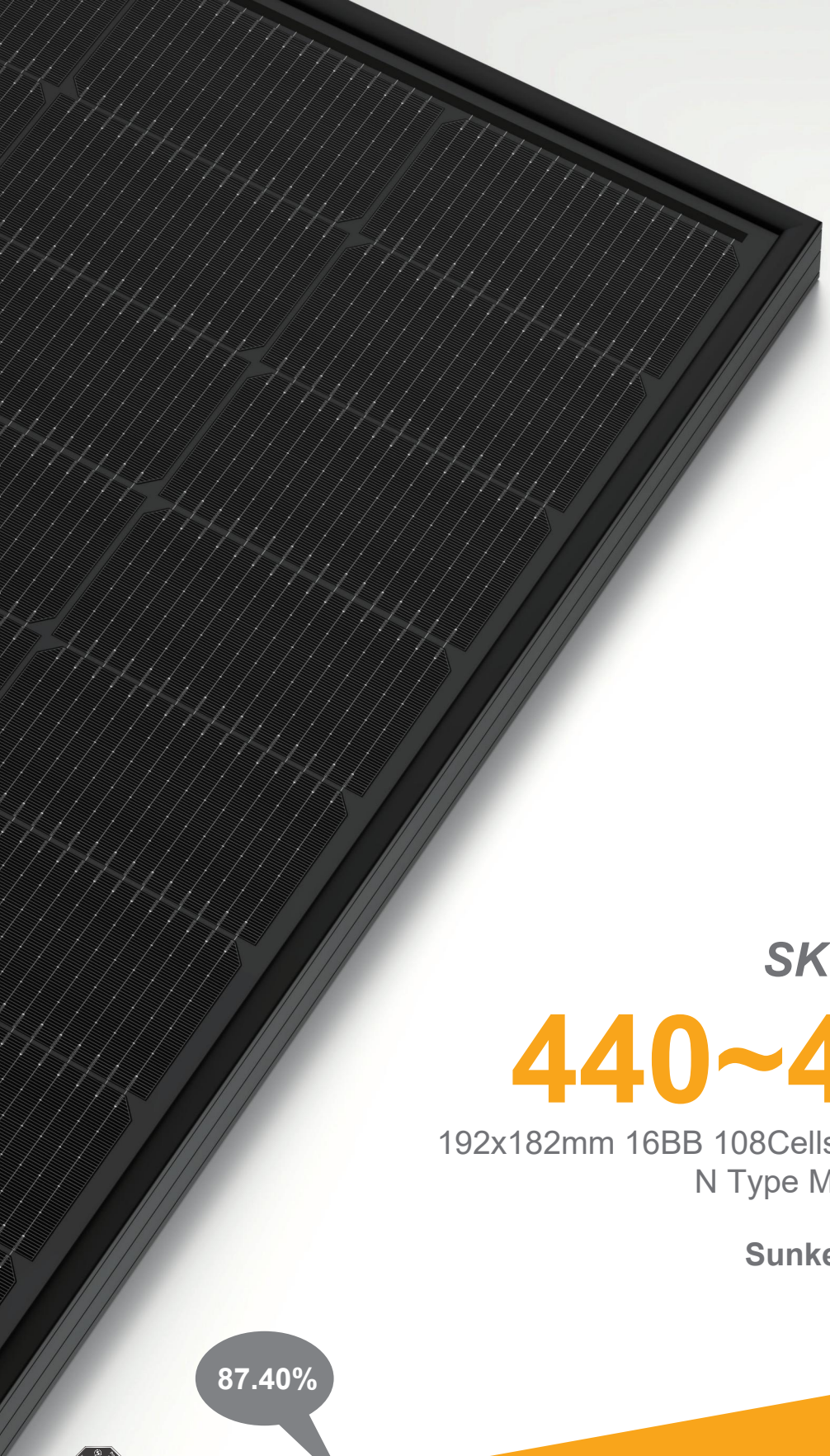


ULTRA
N TYPE

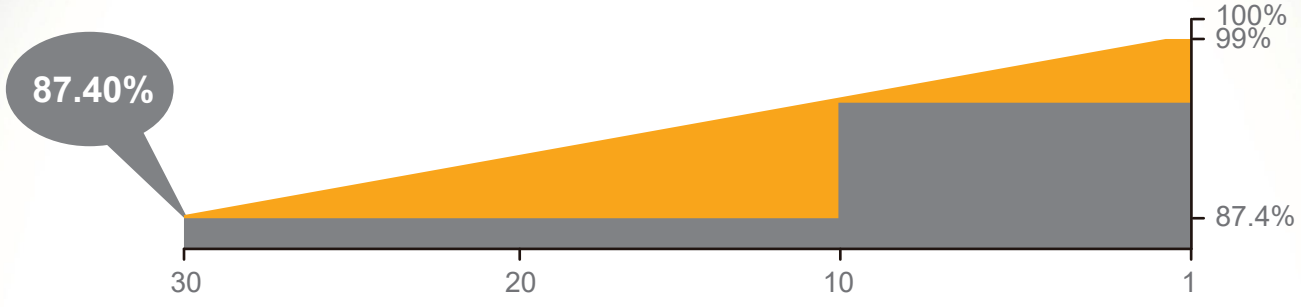
- Fire Class A
- High Energy Performance
- Strengthened Mechanical Load (5400Pa)
- Advanced Bifacial Efficiency
- 100% Inspection 30years Guarantee (100% TEST MES)
- SMBB Technology Half Cut N Type Cell

SKT440~460M10-108D6

440~460 Watt

192x182mm 16BB 108Cells All Black Double Glass Bifacial
N Type Mono Half Cell PV Module Series

Sunket N Type Linear Warranty



30 Year
87.4% Output
Power guarantee

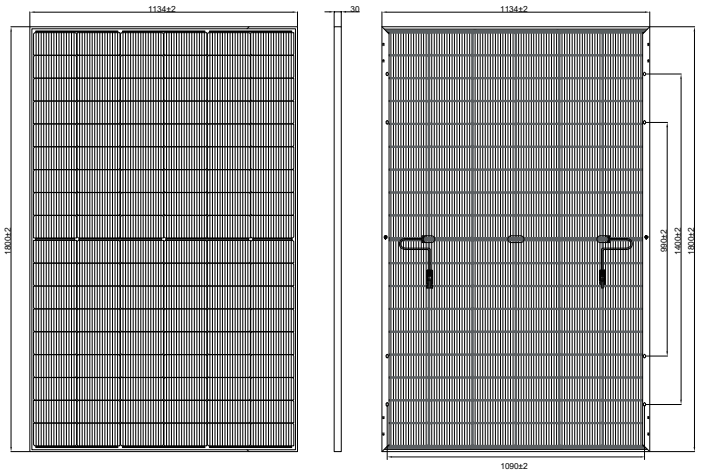
15 Year
Materials and
workmanship

SUNKET® - Solar

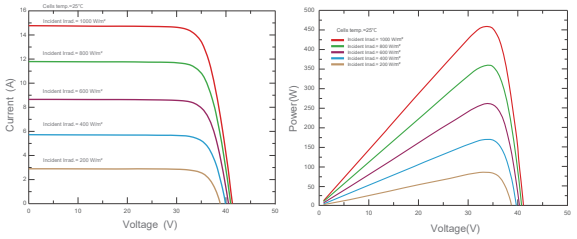
SKT440~460M10-108D6

192x182mm 16BB 108Cells All Black Double Glass Bifacial
N Type Mono Half Cell PV Module Series

SUNKET® - Solar



Current-Voltage & Power-Voltage Curves (SKT460M10-108D6)



All Dimensions in mm
The above drawing is a graphical representation of the product.

Electrical Characteristics (STC/NMOT)

Module Type	SKT440M10-108D6		SKT445M10-108D6		SKT450M10-108D6		SKT455M10-108D6		SKT460M10-108D6	
Front Side	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Maximum Power- Pmax(W)	440	333.7	445	336.7	450	339.8	455	343.0	460	346.1
Open Circuit Voltage - Voc(V)	39.51	36.04	39.71	36.22	39.91	36.40	40.11	36.57	40.30	36.75
Short- Circuit Current - Isc(A)	14.11	11.86	14.18	11.91	14.25	11.95	14.32	11.99	14.39	12.04
Voltage at Pmax -Vmp(V)	32.66	29.89	32.87	30.03	33.08	30.17	33.29	30.32	33.49	30.46
Current at Pmax - Imp(A)	13.48	11.16	13.55	11.21	13.63	11.26	13.69	11.31	13.76	11.36
Module Efficiency -ηm(%)	21.56	/	21.80	/	22.05	/	22.29	/	22.54	/
Power Tolerance(W)	（0，+5W）									
Maximum System Voltage(V)	1500Vdc (IEC / UL)									
Maximum Series Fuse Rating (A)	30A									

STC ： Irradiance 1000W/m², Cell Temperature 25°C, Air Mass 1.5　　NMOT： Irradiance 800W/m², Ambient Temperature 20℃, Air Mass1.5, Wind Speed 1m/s

Mechanical Specifications

External Dimensions	1800x1134x30mm
Weight	21.9kg
Solar Cells	N-Type 16BB 182x96mm (2x54pcs)
Glass	AR Coated 1.6+1.6 mm tempered glass
Frame	Anodized aluminum alloy
Junction Box	IP68
Output Cables	4.0mm², 1200mm (+),1200mm (-), length can be customized
Connector	MC4 Compatible
Mechanical Load	Front Side Max. 5400Pa, Rear Side Max. 2400Pa

Bifacial Output Rear Side Power Gain

Power Gain	5%	10%	20%
Maximum Power- Pmax(W)	483.0	506.0	552.0
Open Circuit Voltage - Voc(V)	40.30	40.30	40.30
Short- Circuit Current - Isc(A)	14.99	15.70	17.13
Voltage at Pmax -Vmp(V)	33.49	33.49	33.49
Current at Pmax - Imp(A)	14.42	15.11	16.48

Temperature Characteristics

Pmax Temperature Coefficient	-0.290%/°C
Voc Temperature Coefficient	-0.250%/°C
Isc Temperature Coefficient	+0.045%/°C
Operating Temperature	-40~+85°C
Nominal Operating Cell Temperature(NMOT)	45±2°C

Packing Configuration

Pallet Dimensions	1830x1140x1254mm
Container	40'HQ
Pieces per Pallet	37
Pallets per Container	24
Pieces per Container	888

 ©Copyright 2024 Sunket