



445-465 W High Performance Module

XC-445~465M-E3



Positive Power Tolerance

0 /+5 %



Superior module efficiency

max efficiency 21,39 %



Glass

High Transmission, Low Iron, Tempered Glass



Moisture Protection

IP68



Warranty

Material and workmanship 12 years

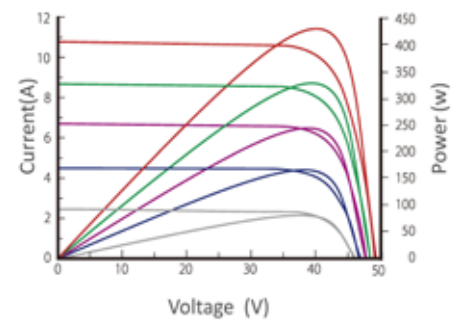
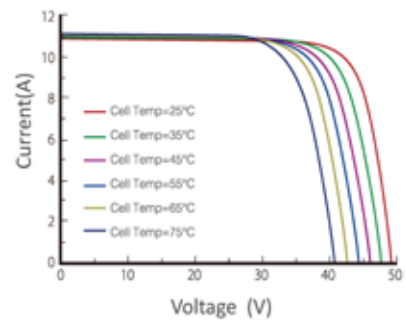
Linear Power Output 25 Jahre

10 years 91,2% Power Output

25 years 84,8% Power Output



Performance



KXINNO GmbH

Thurn und Taxis Platz 6

Nextower

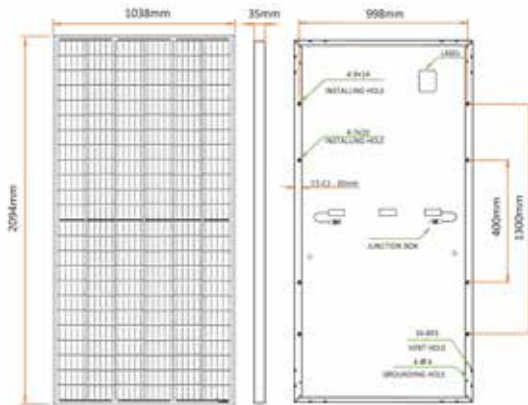
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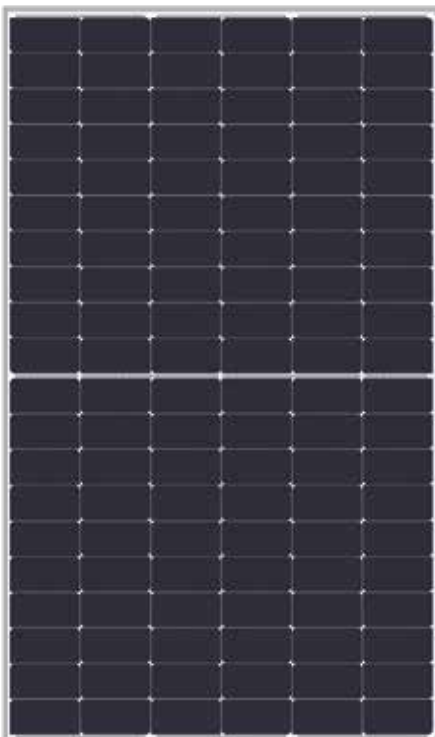
Characteristics

Temperature Coefficient of Voc	-0,27 %/°C
Temperature Coefficient of Isc	+0,048 %/°C
Temperature Coefficient of Pmax	-0,35 %/°C
Operating Temperature	-40/+85 °C
Nominal operating Temperature	45°C +/-2 °C

Electrical Characteristics STC

Type	XC-445M-E3	XC-450M-E3	XC-455M-E3	XC-455M-E3	XC-455M-E3
Maximum Power P_{Max}	445W	450W	455W	460W	465W
Open Circuit Voltage V_{OC}	46.20V	46.40V	46.50V	46.70V	46.90V
Short Circuit Current I_{SC}	9,35A	9,41A	9,46A	9,51A	9,56A
Maximum Power Voltage V_{MPP}	38.40V	38.60V	38.80V	38.90V	39.20V
Maximum Power Current I_{MP}	8.70A	8.75A	8.81A	8.86A	8.91A
Module Efficiency	20,47 %	20,70 %	20,93 %	21,16 %	21,39 %
Power Tolerance	0 / + 5%				
Max. System Voltage	1500 V _{DC}				
Max. Series Fuse Rating	20 A				

Elektrische Werte bei Standard-Testbedingungen (STC) 1000 W/m², Temperatur +25 °C, AM 1,5



Dimension	2094x1038x35mm
Weight	24 kg
Zellen Cell Type	144 MonoP-Type, Half Cut Cells 166 x 166 mm
Glass	3.2 mm High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminum Alloy
Junction Box	IP68 with Bypass-Diodes
Output Cable	4.0mm ² (EU) 300 mm length can be customized
Container	40' HQ
Pallets per Container	22
Pieces per Container	682