



400-420 W High Performance Module XC41-400~420M-E3



Positive Power Tolerance

0 /+5 %



Superior module efficiency

max efficiency 21,51 %



Glass

3.2 mm High Transmission, Low Iron, Tempered Glass



Moisture Protection

IP68

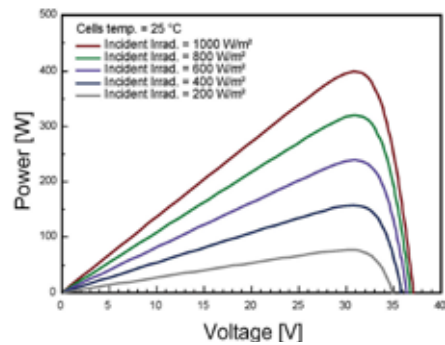
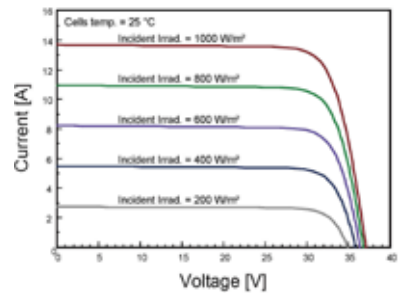


Warranty

Material and workmanship 12 years
Linear Power Output 25 Jahre
10 years 91,2% Power Output
25 years 84,8% Power Output

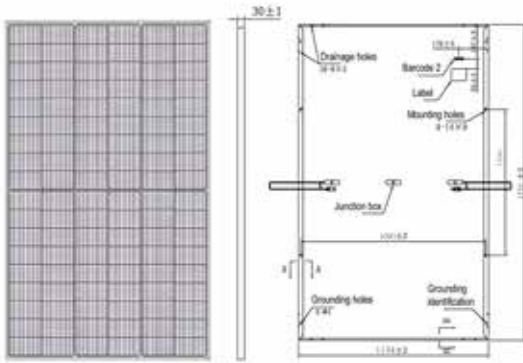


Performance



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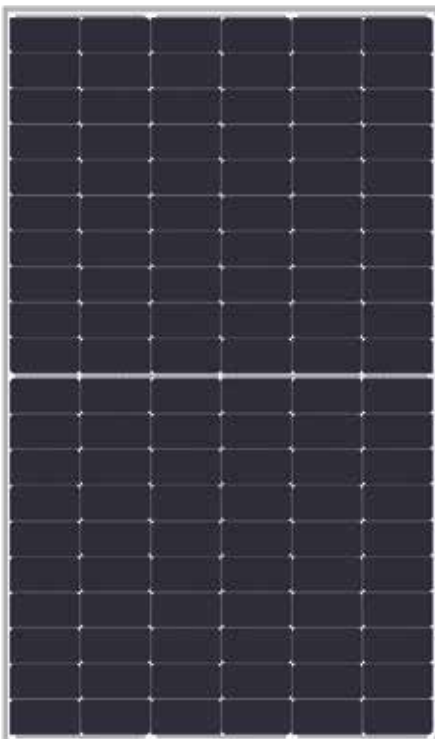
Characteristics

Temperature Coefficient of Voc	-0,27 %/°C
Temperature Coefficient of Isc	-0,04 %/°C
Temperature Coefficient of Pmax	+0,05 %/°C
Operating Temperature	-40/+85 °C
Nominal operating Temperature	45°C +/- 2 °C

Electrical Characteristics STC

Type	XC41-400M-E3	XC41-405M-E3	XC41-410M-E3	XC41-415M-E3
Maximum Power P_{Max}	400W	405W	410W	415W
Open Circuit Voltage V_{OC}	37.10V	37.30V	37.50V	37.70V
Short Circuit Current I_{SC}	13.70A	13.77A	13.84A	13.91A
Maximum Power Voltage V_{MPP}	30.90V	31.10V	31.30V	31.50V
Maximum Power Current I_{MP}	12.95A	13.03A	13.10A	13.18A
Module Efficiency	20,47 %	20,70 %	20,93 %	21,16 %
Power Tolerance	0 / + 5%			
Max. System Voltage	1500 V _{DC}			
Max. Series Fuse Rating	20 A			

Values of Standard Test Conditions (STC) 1000 W/m², Cell Temperature +25 °C, AM 1,5



Dimension	2094x1038x35mm
Weight	24 kg
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	26
Pieces per Container	936