

Datasheet

PREMIUM BIFACIAL SOLAR MODULE

60 CELLS PRODUCT (335 W)



High efficiency HST bifacial cell technology

Excellent temperature coefficient $-0,258\%/K$

Up to 40% bifacial module efficiency

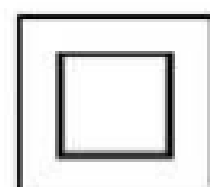
Up to 470 W nominal output bifacial

PID & LID free n-type technology

Frameless Glass-Glass module design

12 years product warranty

35 years linear performance guarantee



Mechanical properties

Module structure	Glass / TPO / HST Bifacial Cells / TPO / Glass	The new generation of PV modules is bifacial and converts light to electricity on both sides with a bifaciality factor of typically over 95%. Choosing the optimum background and right installation settings can generate up to 40% more energy on the rear side of the module. Please consider this for the mounting system and shadow engineering.
Dimension (L x W x T)	1664 mm x 996 mm x 6 mm (with junction box thickness: 26 mm)	
Weight	approx. 23,5 kg	
Cell size / type	156,75 mm x 156,75 mm / mono-crystalline HST bifacial	
Cell connection	60 cells serial (6 x 10)	
Glass	2*2,5 mm tempered AR solar glass	
Junction box	3 x Tyco PV EDGE with bypass diodes	
Connection cables	4 mm ² , length 40 cm each	
Connectors	MC4 compatible	

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Electrical properties (front side)

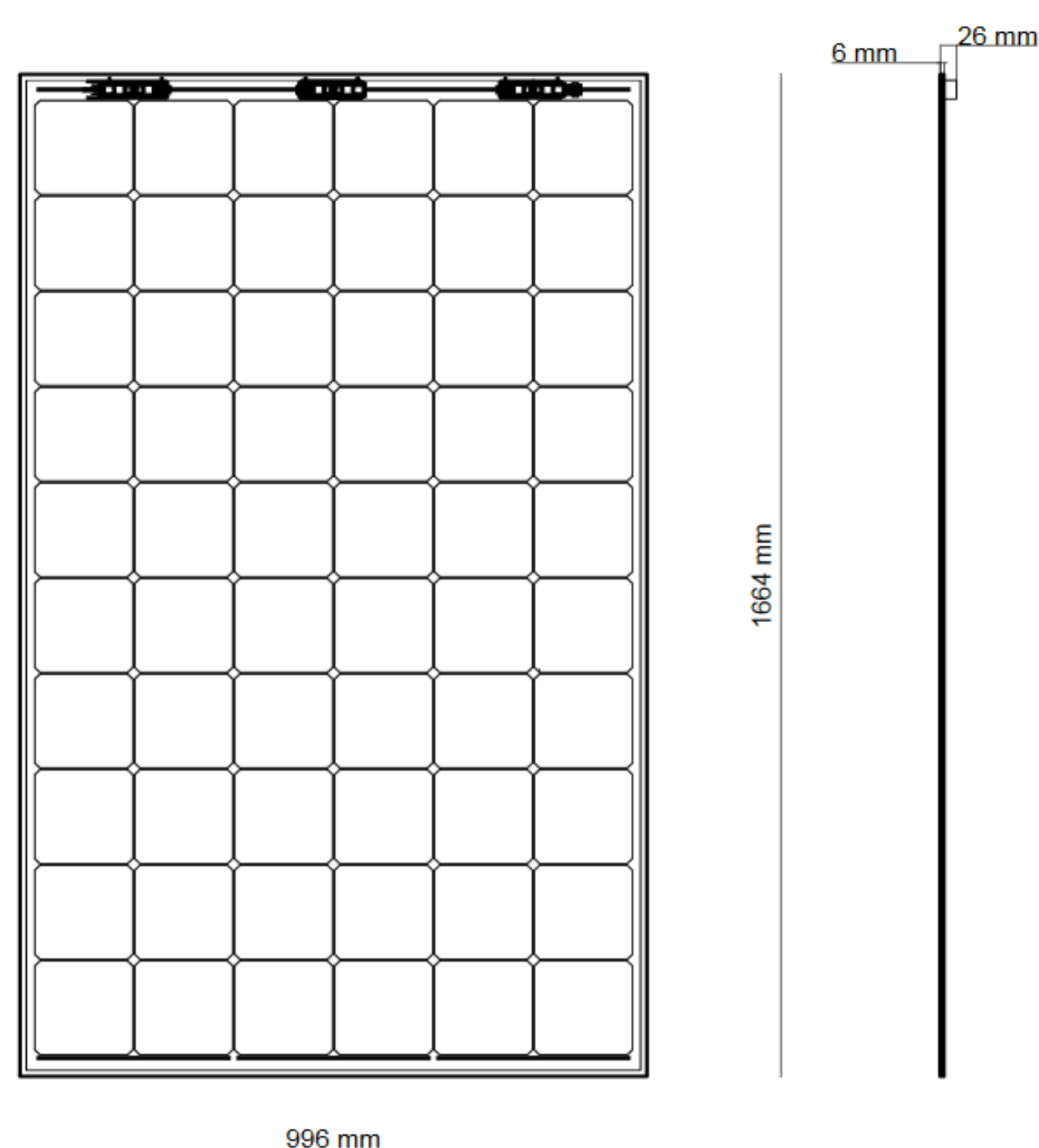
Max power (P _{max} /W)	335
Short Circuit Current (I _{sc} /A)	9,45
Open Circuit Voltage (V _{oc} /V)	44,23
Max Power Point Current (I _{mp} /A)	8,66
Max Power Point Voltage (V _{mpp} /V)	38,14
Module Efficiency (η/%)	20,50
Temperature coefficient of I _{sc} (α)	+ 0,029 %/K
Temperature coefficient of V _{oc} (β)	- 0,224 %/K
Temperature coefficient of P _{mp} (γ)	- 0,258 %/K
Maximum System Voltage (V _{DC})	1500 V
Maximum series configuration	31 modules
Reverse current overload	30 A
STC according to EN 60904-3	Irradiance 1000 W/m ² , module temperature 25 °C, AM 1,5

Electrical properties in bifacial operation

Max power of front side ¹ (P _{max} /W)	335			
Bifacial gain from rear side ²	10%	20%	30%	40%
Max power in bifacial operation (P _{max} /W)	369	402	436	469
Short Circuit Current (I _{sc} /A)	10,40	11,34	11,81	12,25
Open Circuit Voltage (V _{oc} /V)	44,05	44,15	44,20	44,23
Max Power Point Current (I _{mp} /A)	9,53	10,39	10,83	11,27
Max Power Point Voltage (V _{mpp} /V)	38,24	38,24	38,24	38,24
Module Efficiency (η/%)	22,60	24,60	26,70	28,70

¹ STC: Irradiance 1000 W/m², module temperature 25 °C, AM 1,5

² Depending on mounting height and the albedo of the underground



Packaging configuration

Product quantity	50 pcs / crate	50 pcs / crate
Crate quantity	14 pcs / container	26 pcs / container
Loading capacity	700 pcs / 20'GP	1300 pcs / 40'HQ