

Highlights



Assembled with multi-busbar cells, reduce shading effect on the energy generation, lower risk of hot spot.



Pass the test for weather resistance in harsh environments (salt mist, ammonia corrosion and sand).



Excellent encapsulating materials and strict production process to ensure highly resistance against PID (Potential Induced Degradation) of PV module.



Lower oxygen and carbon content result in lower LID.



Series and parallel design, reduce the series resistance RS of module, reduce the loss of internal electrical erformance, and improve the power generation capacity of whole system.



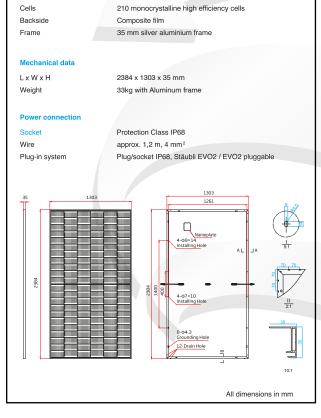
Frontside

Cutting solar cell technology, which significantly reduces string current and module damage, it is good choice for projects in high temperature areas.



TECHNICAL SPECIFICATIONS

670W Electrical data (at standard conditions (STC) irradiance 1000 watt/m², spectrum AM 1,5 at a cell temperature of 25°C) Short circuit current Nominal voltage Open circuit voltage Module conversion Nominal output Nominal current NB640-66M 640 Wp 37,20V 17,20A 18,35A ± 4% 45,00V ± 3% 20.60% NB650-66M 650 Wp 37,40V 17,40A 18,44A ± 4% 45,30V ± 3% 20,93% 17,55A 18,53A ± 4% 45,70V ± 3% 37,60V 21,25% NB670-66M 670 Wp 37,80V 17,75A 18,62A ± 4% 46,10V ± 3% 21,57% NB680-66M 680 Wp 38.00V 17,90A 18,71A ± 4% $46,50V \pm 3\%$ 21,90%



3,2 mm hardened, low-reflection white glass

Limit values			
System voltage 1500V~2000V DC			
NOCT (nominal operating cell temperature)* 45°C +/-2K			
Max. load-carrying capacity 2400 N/m ²			
Reverse current feed IR 20,0 A			
Permissible operating			
temperature -40°C to 85°C / -40F to 185F			
(No external voltages greater than Uoc may be applied to the module)			
* NOCT, irradiance 800 W/m²; AM 1,5;			
wind speed 1 m/s; Temperature 20°C			
Temperature coefficients			
Voltage Uoc -0,27 %/K			

Temperature coef	fficients	
Voltage Uoc		-0,27 %/ŀ
Current Isc		0,048 %/ŀ
Output Pmpp		-0,35 %/
Low-light perforn	nance	
I-U characteristic o	curve Current lpp	Voltage Upp
200 W/m ²	2,24 A	40,05 V
400 W/m ²	4,51 A	40,51 V
600 W/m ²	6,74 A	40,82 V
800 W/m ²	8,91 A	41,17 V
1000 W/m ²	10,94 A	41,61 V
Packaging		
Module pieces per pallet		31
Module pieces per HC-container		558

