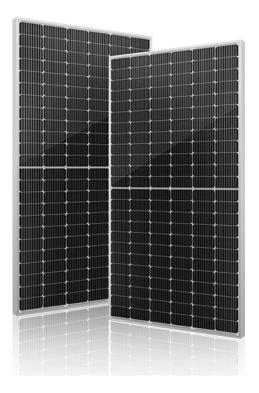
# BE.WAFER PERK-M7.5 540-550Wp

ENDURING HIGH PERFORMANCE MADE BY TIER 1 FACTORIES











# BE.WAFER ™TECHNOLOGY: LOW LEVELISED COST OF ELECTRICITY

Higher yield per surface area, lower BOS costs, higher power classes, and an efficiency rate to 21.3 %.



# **INNOVATIVE ALL-WEATHER TECHNOLOGY**

Optimal yields, whatever the weather with excellent low-light and temperature behaviour.



## **ENDURING HIGH PERFORMANCE**

Long-term yield security with BE.AntiLID Technology, AntiLID™ Technology, Hot-Spot Protect and Traceable Quality



#### **EXTREME WEATHER RATING**

High-tech aluminium alloy frame, certified for high snow (5400 Pa) and wind loads (4000 Pa).



#### A RELIABLE INVESTMENT

Inclusive 25-year product warranty and 25-year linear performance warranty.



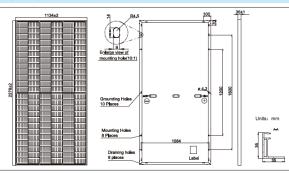
#### STATE OF THE ART MODULE TECHNOLOGY

BE.WAFER ™ 166 PERK combines cutting edge cell separation and innovative wiring with BE.WAFER ™ Technology.



#### **MECHANICAL SPECIFICATION**

Solar Cell	Monocrystalline silicon 182 mm			
No. of Cells	144 (6 × 24)			
Dimension	2279 x 1134 x 35mm ± 2mm			
Weight	28.5 kg			
Front Glass	3.2 mm tempered glass			
Frame	Anodized aluminium alloy			
Output Cables	300mm (+) / 400mm (-) Length can be customized			
Junction box	IP68 rated (3 bypass diodes)			



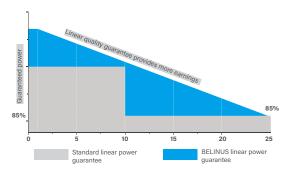
ELECTRICAL CHARACTERISTIC				
STC	540	550		
Maximum Power at STC (Pmax)	540W	550W		
Optimum Operating Voltage (Vmp)	41.64V	41.96V		
Optimum Operating Current (Imp)	12.97A	13.11A		
Open Circuit Voltage (Voc)	49.6.V	49.9.V		
Short Circuit Current (Isc)	13.86A	14.0A		
Module Efficiency	20.9%	21.3%		
Operating Module Temperature	-40 °C to +85 °C	-40 °C to +85 °C		
Maximum System Voltage	1500 V DC (IEC)	1500 V DC (IEC)		
Maximum Series Fuse Rating	20 A	20 A		
Power Tolerance	0/+5W	0/+5W		

STC: Irradiance 1000 W/m2, module temperature 25 °C, AM=1.5; Tolerances of Pmax, Voc and Isc are all within +/- 5%

NMOT			
Maximum Power at NMOT (Pmax)	408W	416W	
Optimum Operating Voltage (Vmp)	38.99V	39.43V	
Optimum Operating Current (Imp)	10.47A	10.55A	
Open Circuit Voltage (Voc)	46.43V	46.68V	
Short Circuit Current (Isc)	11.09A	11.17A	

NMOT: Irradiance 800 W/m2, ambient temperature 20 °C, AM=1.5, wind speed 1 m/s;

#### BELINUS PRODUCT GUARANTEE

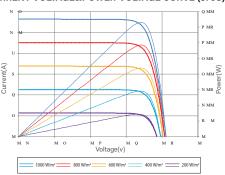


At least 98 % of nominal power during first year. Thereafter max. 0.54 % degradation per year. At least 93.1 % of nominal power up to 10 years. At least 85 % of nominal power up to 25 years.

All data within measurement

Full warranties in accordance with the warranty terms of the Belinus sales organisation of your respective country.

## CURRENT-VOLTAGE&POWER-VOLTAGE CURVE (370S)



TEMPERATURE CHARACTERISTICS				
Nominal Module Operating Tempreture(NMOT)	42±2°C	Temperature Coefficient of Voc	-0.275 %/°C	
Temperature Coefficient of Pmax	-0.35 %/°C	Temperature Coefficient of Isc	0.045 %/°C	

	QUALIFICATIONS AND CERTIFICATES			ΓES	PACKAGING INFORMATION		
	IEC 61215, IEC 61730	) conformity	to CE			Container	40'HC
1	150					Pieces per pallet	31
TIER		TUV MORD	MCS	(JET)	(cac)	Pallets per container	20
Bloomberg NEW ENERGY FINANCE		Do Teste		Marier of R		Pieces per container	620
	Larc		TEO				

**Note:** Installation instructions must be followed. See the installation and operating manual or contact our technical service department for further information on approved installation and use of this product.

#### Generate Bv

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