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# **EnergyPal**

## **Solar Panel Guide Specification Data Sheet**

**Bruk-Bet Sp. z o.o.  
BEM-355 Extreme Plus White  
BEM-355**

Also available on the web at  
[EnergyPal.com/bruk-bet-sp-z-o-o-solar-panels/bem-355](http://EnergyPal.com/bruk-bet-sp-z-o-o-solar-panels/bem-355)

### BEM-355 W



12 YEARS PRODUCT WARRANTY



25 YEARS LINEAR PERFORMANCE WARRANTY



TRIPLE ENDURANCE TESTS\*

\*Test Pending



TRIPLE ELECTROLUMINESCENT TEST



GUARANTEED POSITIVE POWER TOLERANCE



THERMAL CYCLING INCREASED - 400 CYCLES



RESISTANCE TO STATIC LOAD 8000 Pa



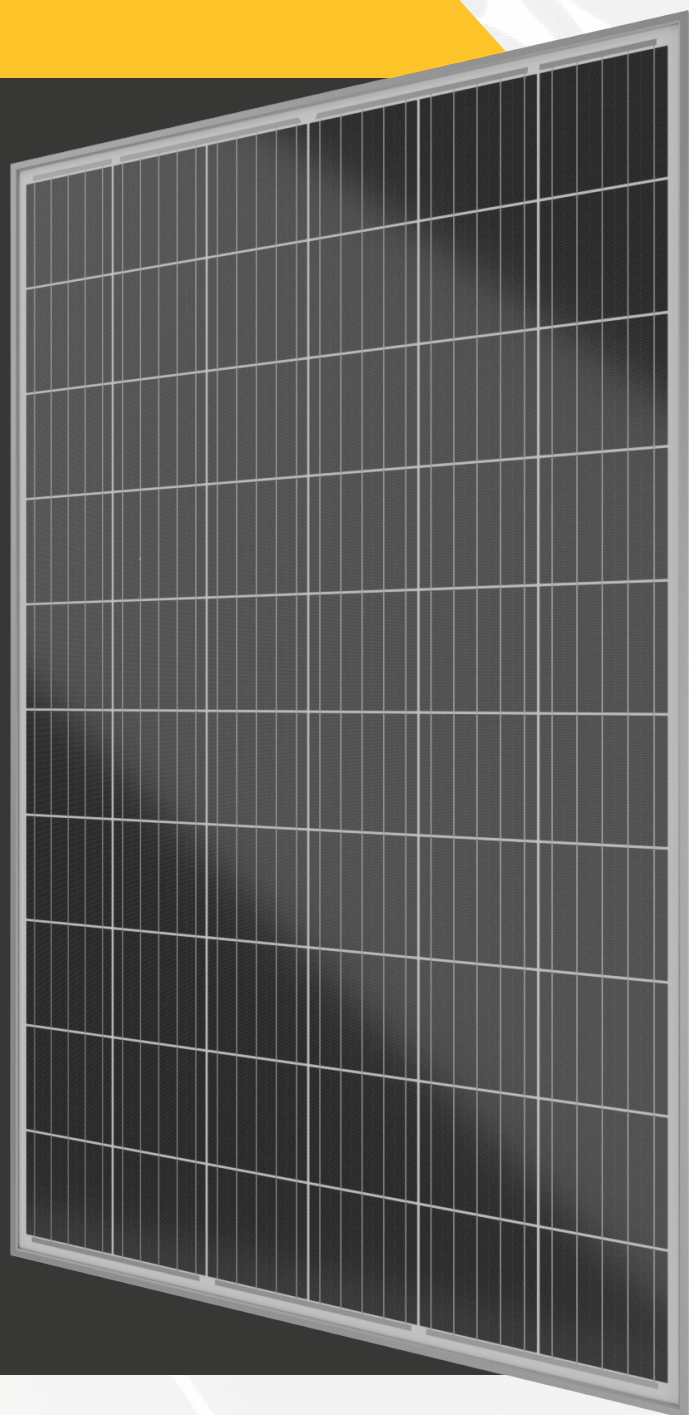
RESISTANCE TO HAIL



RESISTANCE TO WIND LOAD 5400 Pa



DAMP HEAT INCREASED - 2000 h



ELECTRICAL PARAMETERS STC		355
Maximum power [Wp]		360
Short circuit current [A]		10,20
Open circuit voltage [V]		44,70
Maximum power current [A]		9,70
Maximum power voltage [V]		37,15
Efficiency [%]		19,63

STC values measured under standard test conditions (STC): irradiance 1000 W/m<sup>2</sup>, spectrum 1,5 AM, cell temperature 25 °C

ELECTRICAL PARAMETERS NOMT		355
Maximum power [Wp]		266,0
Short circuit current [A]		9,31
Open circuit voltage [V]		35,93
Maximum power current [A]		8,89
Maximum power voltage [V]		29,93

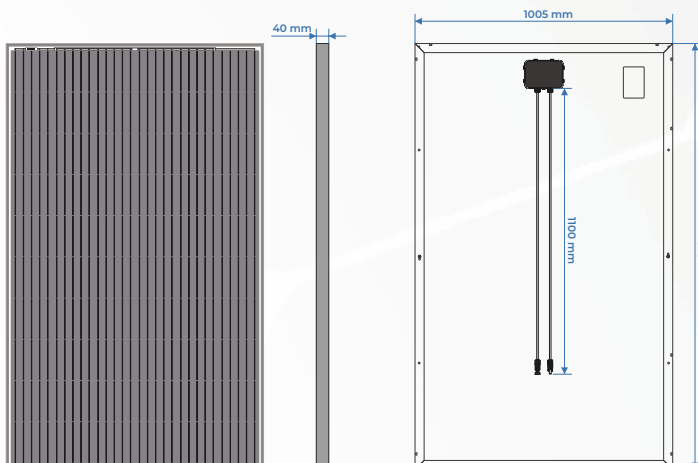
NOMT values measured under test conditions: 800 W/m<sup>2</sup>, spectrum AM 1.5, ambient temperature 20 °C, wind speed 1 m/s.

Measurement tolerance STC ± 2%; NOMT ± 5%.

APPLICATION PARAMETERS		355
Power tolerance		0/+4,99 Wp
Application class		A
Safety class		II
Maximum system voltage		1000/1500 VDC
Operating temperature		-40 /+85 °C
Reverse current protection		20 A

TEMPERATURE PARAMETERS		355
NOMT (800 W/m <sup>2</sup> , 1 m/s, AM 1.5, 20 °C)		42±2 °C
Temperature coefficient current		0,027 %/C
Temperature coefficient voltage		-0,30 %/C
Temperature coefficient power		-0,39 %/C

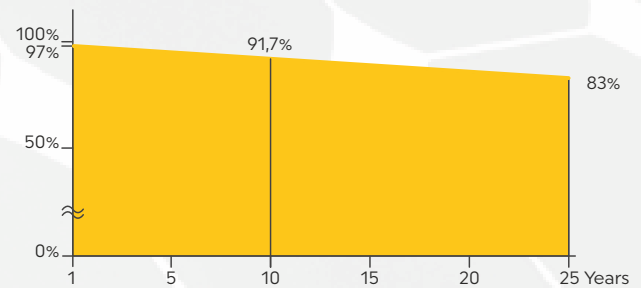
CERTIFICATES		355
Mechanical load		8000 Pa (815 kg/m <sup>2</sup> )
Wind load		5400 Pa (550 kg/m <sup>2</sup> )
Hail		φ= 55 mm, V=33,9 m/s
Salt mist		IEC 61701
Ammonia		IEC 62716
PID		IEC 60804



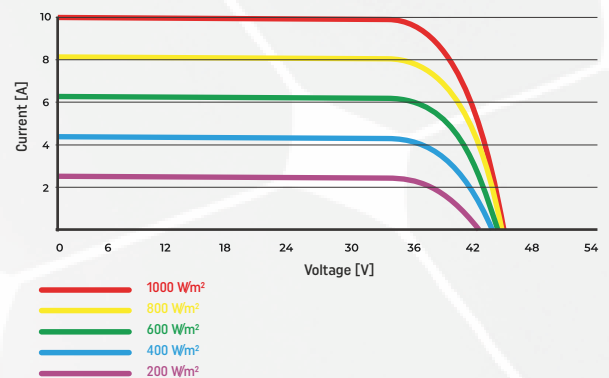
MECHANICAL PARAMETERS		355
Length [mm]		1825
Width [mm]		1005
Height [mm]		40
Weight [kg]		20,5

COMPOSITION		355
Front glass		Tempered 3,2 mm
Encapsulant		EVA film
Rear side		Multilayer polyester
Frame		Anodized aluminium
Cells		Monocrystalline 5 BB PERC
Cell dimension [mm]		158,75x158,75
Quantity [pcs]		66 (6x11)
JB protection class		IP67, 3 By-pass diodes
Cabling		1100 mm, 4mm <sup>2</sup>
Connectors		MC4 compatible

## LINEAR POWER DROP



## CURRENT-VOLTAGE CHARACTERISTICS



PACKING		355
Packing method		Cartoon box 1,85 x 1,2 m.
Quantity		26 pieces/pallet
Transport		28 pallet/Truck

Bruk-Bet Solar reserves the right to make changes to the specification without notice.

This data sheet complies with the requirements of EN 50380.



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