

EUROPEAN PREMIUM PV MODULES

BRUK-BET®
FOTOWOLTAIKA

PERFECT ***EDGE***
PRO

PEM.BB-405 HALF-CELL



100% ELECTROLUMINESCENCE INSPECTION



POSITIVE POWER TOLERANCE



ANTIREFLECTIVE COATING



HIGH FILL FACTOR



RESISTANCE TO STATIC LOAD UP TO 7500 Pa*



EXTREME HAIL UNDURANCE



WIND LOAD UP TO 4000 Pa*



RESISTANCE TO PID EFFECT

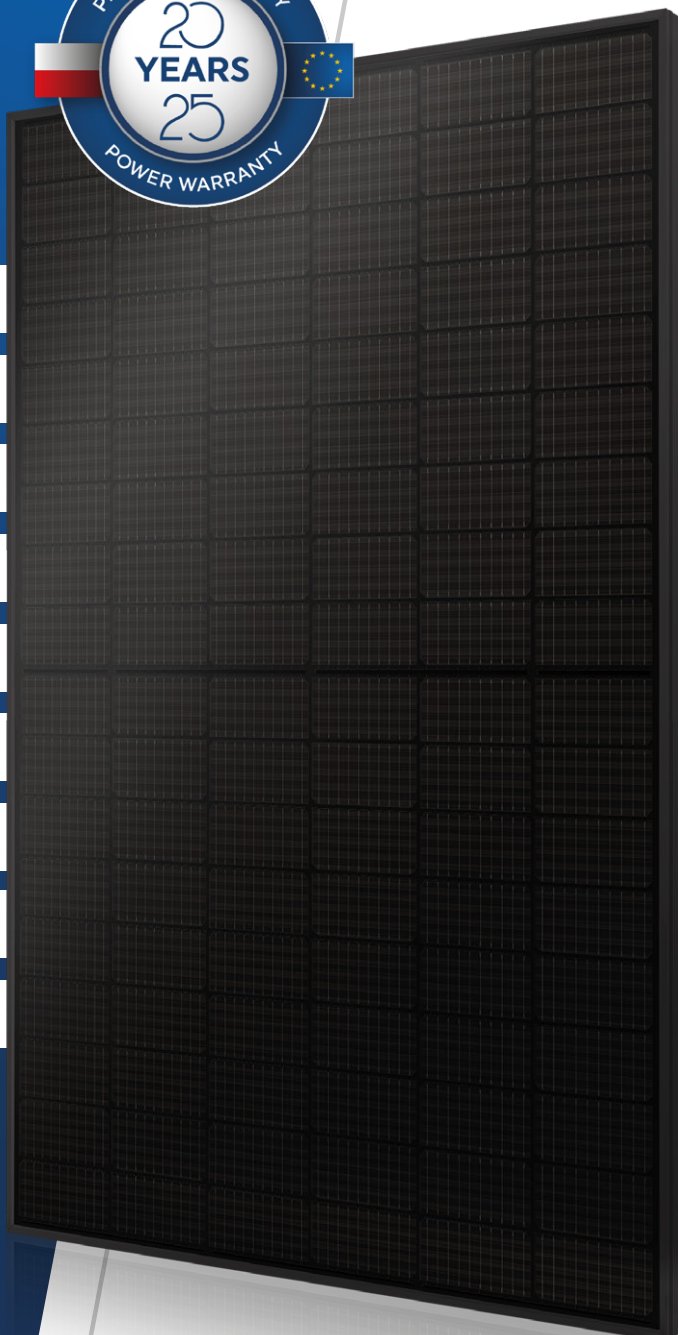


RESISTANCE TO DYNAMIC LOADS

BRUK-BET®
FOTOWOLTAIKA

MANUFACTURING
SINCE
2011

* Confirmed by the manufacturer's internal tests.



PEM.BB-405 Technical specifications

ELECTRICAL PARAMETERS STC	PEM.BB-405
Nominal power [Wp]	405
Short-circuit current [A]	13,63
Nominal current [A]	13,01
Open circuit voltage [V]	37,09
Nominal voltage [V]	31,13
Efficiency [%]	20,51

STC: Irradiance 1000 W/m², Air mass 1.5 AM, Cells temperature 25 °C, Measurement tolerance STC ± 2 %.

ELECTRICAL PARAMETERS LIC	PEM.BB-405
Nominal power [Wp]	77,3
Short-circuit current [A]	2,68
Nominal current [A]	2,53
Open circuit voltage [V]	34,54
Nominal voltage [V]	30,56

LIC: Irradiance 200 W/m², Air mass 1.5 AM, Cells temperature 25 °C, Measurement tolerance LIC ± 5 %.

APPLICATIONS PARAMETERS	PEM.BB-405
TPower tolerance	0/+1%
Safety class	II
Maximum system voltage	1000/1500 VDC
Operating temperature	-40 / +85 °C
Reverse current protection	25 A

TEMPERATURE PARAMETERS	PEM.BB-405
Current temperature coeff.	0,046 %/°C
Voltage temperature coeff.	-0,259 %/°C
Power temperature coeff.	-0,324 %/°C

MECHANICAL PARAMETERS	PEM.BB-405
Length [mm]	1735
Width [mm]	1138
Height [mm]	40
Weight [kg]	21,5

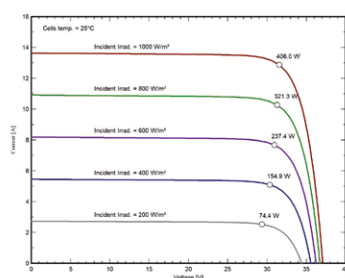
ENDURANCE PARAMETERS	PEM.BB-405
Front glass	3,2 mm, Tempered
Encapsulant	EVA film
Frame	Anodised aluminium, Black
Cells	Monocrystalline 10BB, Class A
Quantity	108
Junction box	IP68, 3 by-pass diodes
Cables	2 x 1100 mm, φ = 4 mm²
Connectors	Sunter PV-ZH202B, IP68

PENDURANCE PARAMETERS*	PEM.BB-405
Design Load (Test Load) Front	7500 Pa
Design Load (Test Load) Rear	4000 Pa
Hail Endurance	φ=55 mm, V=122 km/h

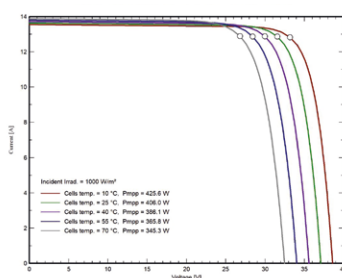
* Potwierdzone wewnętrznymi badaniami producenta.

PACKING	PEM.BB-405
Packing system	Carton 1,8 x 1,2 x 1,25 m
Quantity	26 Pcs/Palette
Transport	28 Palet/TIR

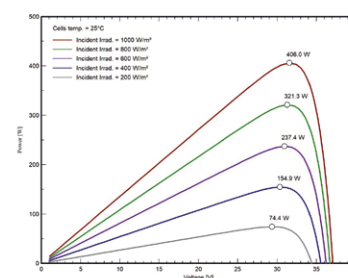
CURRENT/VOLTAGE



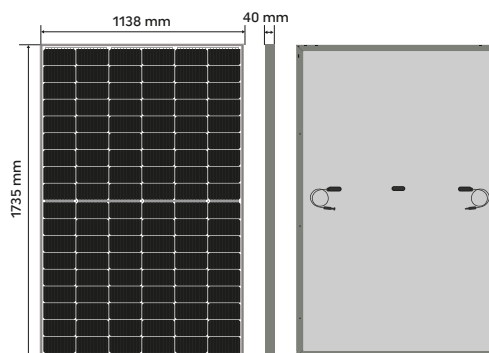
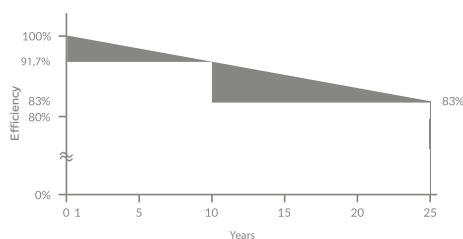
CURRENT/VOLTAGE



POWER/VOLTAGE



LINEAR POWER WARRANTY



Bruk-Bet Fotowoltaika reserves the right to make changes without notice. This data card complies with the requirements of the standard EN50380.

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