

BRUK-BET[®] FOTOWOLTAIKA PEM.BB-400

PERFECT *EDGE*
PRO

PEM.BB-400 Half-CELL



15 YEARS PRODUCT WARRANTY



25 YEARS LINEAR PERFORMANCE WARRANTY



100% ELECTROLUMINESCENCE INSPECTION



POSITIVE POWER TOLERANCE



ANTIREFLECTIVE COATING



SNOW LOAD UP TO 5520 Pa



RESISTANCE TO A GRAY BALL WITH A DIAMETER OF 55 mm
FALLING DOWN AT 122 km/h



WIND LOAD UP TO 2520 Pa



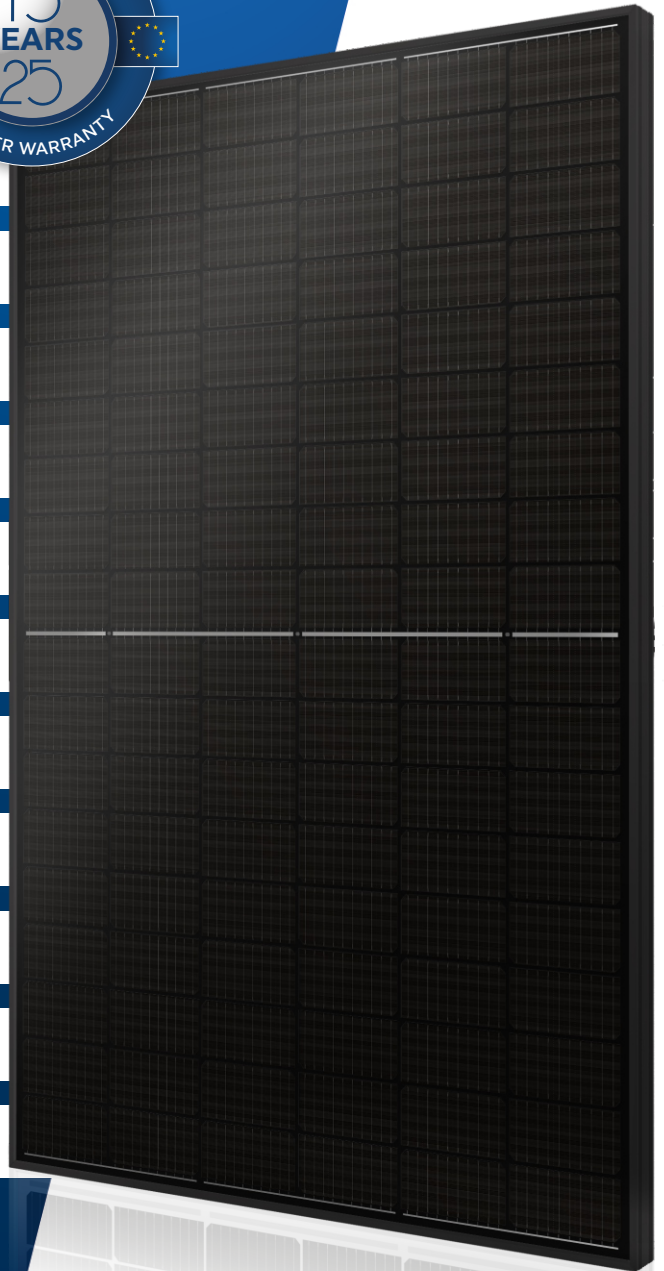
RESISTANCE TO PID EFFECT



HIGH FILL FACTOR



RESISTANCE TO DYNAMIC LOADS



BRUK-BET[®]
FOTOWOLTAIKA
MANUFACTURING
SINCE
2011

CE

100%
MADE IN POLAND

ELECTRICAL PARAMETERS STC	PEM.BB-400
Nominal power [Wp]	400
Short-circuit current [A]	13,57
Nominal current [A]	12,96
Open circuit voltage [V]	36,71
Nominal voltage [V]	30,87
Efficiency [%]	20,26

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

ELECTRICAL PARAMETERS LIC	PEM.BB-400
Nominal power [Wp]	76,3
Short-circuit current [A]	2,68
Nominal current [A]	2,53
Open circuit voltage [V]	34,16
Nominal voltage [V]	30,16

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

APPLICATIONS PARAMETERS	PEM.BB-400
Power tolerance	-0/+1 %
Safety class	II
Maximum system voltage	1000/1500 VDC
Operating temperature	-40 / +85 °C
Reverse current protection	22 A

TEMPERATURE PARAMETERS	PEM.BB-400
Current temperature coeff.	0,040 %/°C
Voltage temperature coeff.	-0,255 %/°C
Power temperature coeff.	-0,328 %/°C

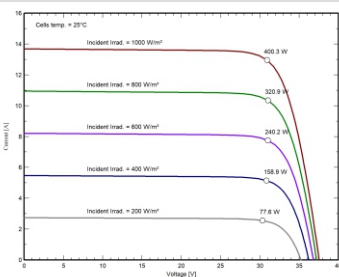
MECHANICAL PARAMETERS	PEM.BB-400
Length [mm]	1735
Width [mm]	1138
Height [mm]	40
Weight [mm]	21

COMPOSITION	PEM.BB-400
Front glass	3,2 mm, Tempered
Encapsulant	EVA film
Frame	Anodised aluminium, Black
Cells	Monocrystalline
Quantity	108
Junction box	IP68, 3 by-pass diodes
Cables	2 x 1100 mm, φ = 4 mm ²
Connectors	Sunter PV-ZH202B, IP68

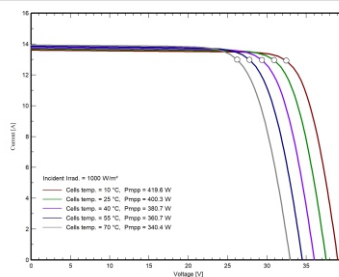
ENDURANCE PARAMETERS	PEM.BB-400
Snow Load (Test Load) Front	5520 Pa
Wind Load (Test Load) Rear	2520 Pa
Hail Endurance	φ=55 mm, V=122 km/h

PACKING	PEM.BB-400
Packing system	Carton 1,8 x 1,2 x 1,25 m
Quantity	26 Pcs/Palette
Transport	28 Paletts/TIR

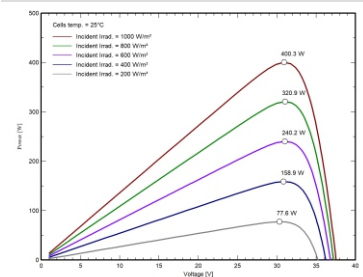
CURRENT/VOLTAGE



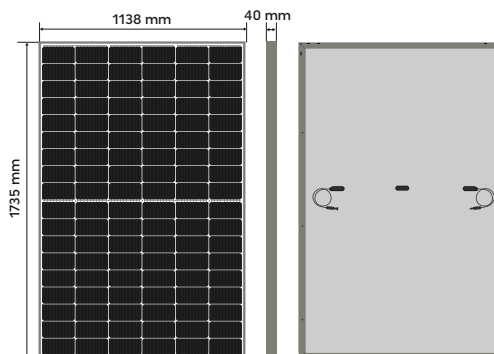
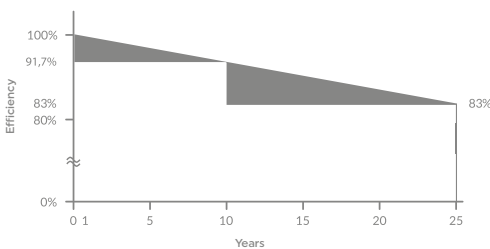
CURRENT/VOLTAGE



POWER/VOLTAGE



LINEAR POWER WARRANTY



Space for Partners data:

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

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