

BRUK-BET[®] **FOTOWOLTAIKA**

OPTIMAL *EDGE*

PEM.BB-400



CERTIFIED PRODUCT

According to standards IEC 61215 IEC 61730



RESISTANCE TO PID EFFECT



HALF-CUT CELL MONO PERC



15 YEARS PRODUCT WARRANTY 25 YEARS POWER WARRANTY



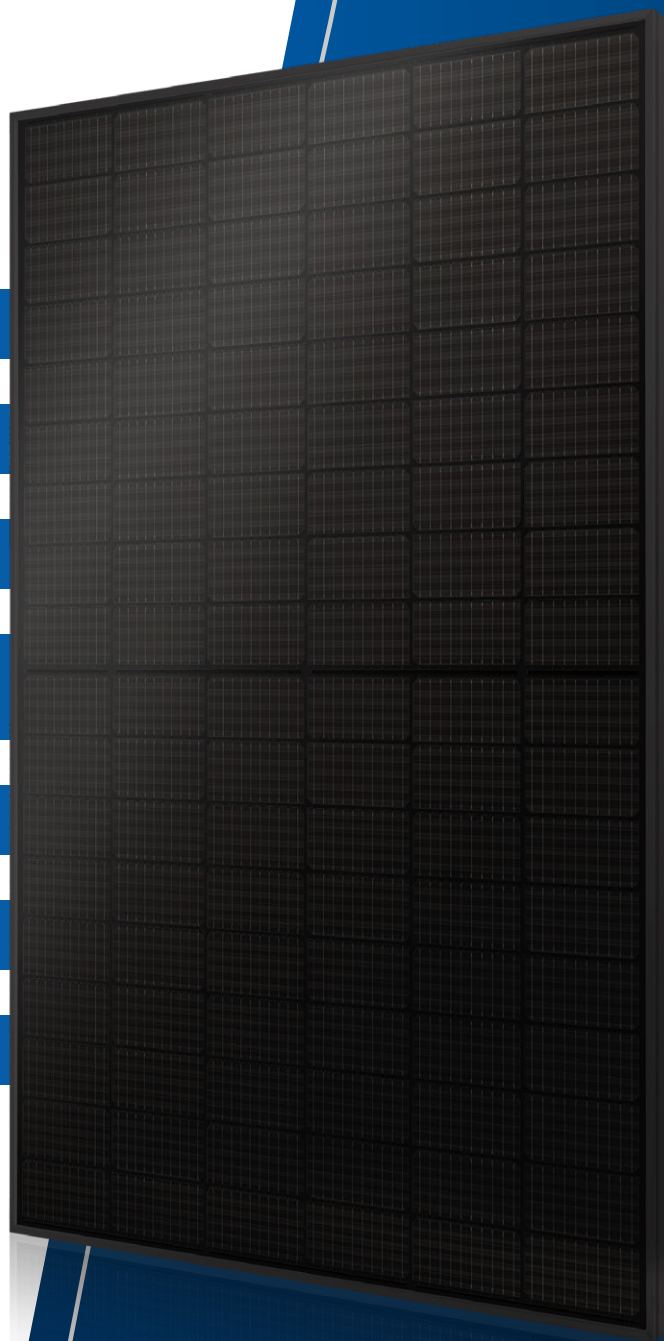
AMMONIA RESISTANCE



SALT MIST RESISTANCE



DAMP HEAT 2000h



 **BRUK-BET**[®]
FOTOWOLTAIKA

MANUFACTURING
SINCE

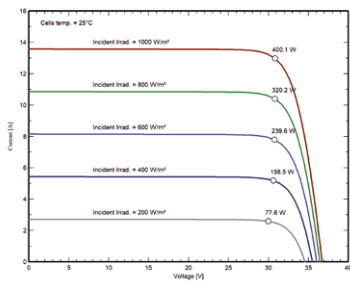
2011



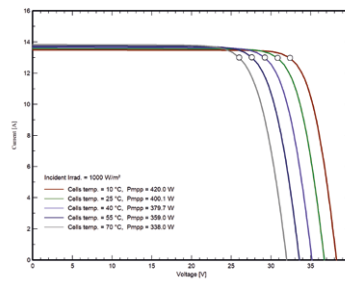
ELECTRICAL PARAMETERS STC		PEM.BB-400
Nominal power [Wp]		400
Short-circuit current [A]		13,57
Nominal current [A]		12,96
Open circuit voltage [V]		36,71
Nominal voltage [V]		30,87
Efficiency [%]		20,26
ELECTRICAL PARAMETERS LIC		PEM.BB-400
Nominal power [Wp]		76,35
Short-circuit current [A]		2,67
Nominal current [A]		2,52
Open circuit voltage [V]		34,19
Nominal voltage [V]		30,30
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		25 A
TEMPERATURE PARAMETERS		PEM.BB-400
Current temperature coeff.		0,046 %/°C
Voltage temperature coeff.		-0,259 %/°C
Power temperature coeff.		-0,324 %/°C

MECHANICAL PARAMETERS		PEM.BB-400
Length [mm]		1735
Width [mm]		1138
Height [mm]		35
Weight [kg]		21
COMPOSITION		PEM.BB-400
Front glass		3,2 mm, Tempered with ARC coating
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, $\phi = 4 \text{ mm}^2$
Connectors		MC4 type connector, IP68
ENDURANCE PARAMETERS		PEM.BB-400
Design Load (Test Load) Front		5400 Pa
Design Load (Test Load) Rear		2400 Pa
Hail Endurance		$\phi = 25 \text{ mm}$, $V = 82,8 \text{ km/h}$
PACKING		PEM.BB-400
Packing system		Carton 1,8 x 1,2 x 1,25 m
Quantity		31 Pcs/Palette
Transport		28 Palettes/TIR

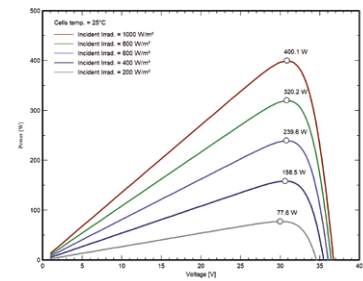
CURRENT/VOLTAGE



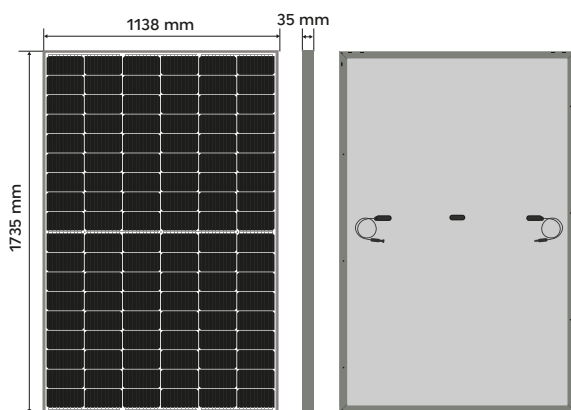
CURRENT/VOLTAGE



POWER/VOLTAGE



CONSTRUCTION OF THE MODULE



LINEAR POWER WARRANTY

