

BRUK-BET[®] FOTOWOLTAIKA PEM.WS-455

PERFECT *EDGE*
PRO

PEM.WS-455 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.WS-455
Nominal power [Wp]	455
Short-circuit current [A]	13,69
Nominal current [A]	13,06
Open circuit voltage [V]	41,49
Nominal voltage [V]	34,85
Efficiency [%]	20,82

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

ELECTRICAL PARAMETERS LIC	PEM.WS-455
Nominal power [Wp]	86,9
Short-circuit current [A]	2,70
Nominal current [A]	2,54
Open circuit voltage [V]	38,64
Nominal voltage [V]	34,21

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

APPLICATIONS PARAMETERS	PEM.WS-455
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.WS-455
Current temperature coeff.	0,040 %/°C
Voltage temperature coeff.	-0,255 %/°C
Power temperature coeff.	-0,328 %/°C

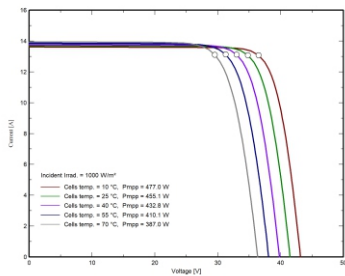
MECHANICAL PARAMETERS	PEM.WS-455
Length [mm]	1920
Width [mm]	1138
Height [mm]	40
Weight [kg]	24

COMPOSITION	PEM.WS-455
Front glass	3,2 mm, Tempered
Encapsulant	EVA film
Frame	Anodised aluminium, Silver
Cells	Monocrystalline
Quantity	120
Junction box	IP68, 3 by-pass diodes
Cables	2 x 1100 mm, φ = 4 mm ²
Connectors	Sunter PV-ZH202B, IP68

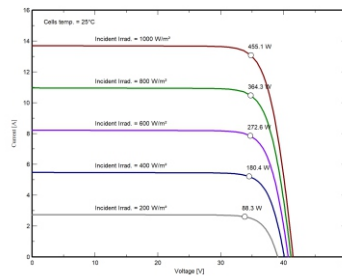
ENDURANCE PARAMETERS	PEM.WS-455
Snow Load (Test Load) Front	5520 Pa
Wind Load (Test Load) Rear	2520 Pa
Hail Endurance	φ=55 mm, V=122 km/h

PACKING	PEM.WS-455
Packing system	Carton 2,0 x 1,2 x 1,25 m
Quantity	26 Pcs/Palette
Transport	26 Paletts/TIR

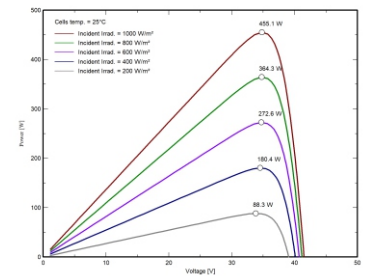
CURRENT/VOLTAGE



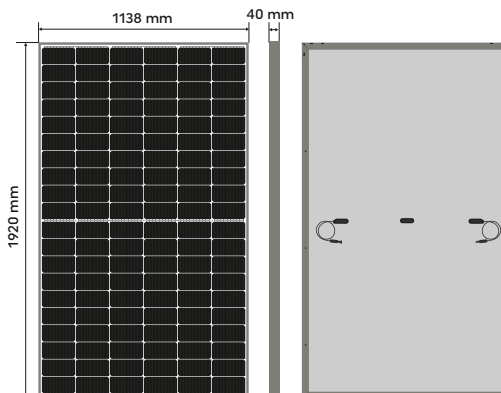
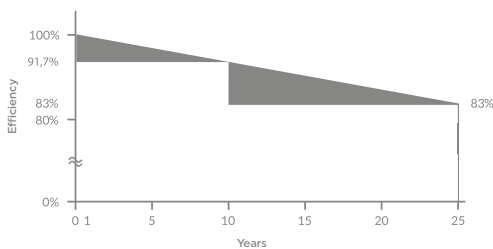
CURRENT/VOLTAGE



POWER/VOLTAGE



LINEAR POWER WARRANTY



Space for Partners data: