








ACTIVESOL

make use of natural power

SEMI-FLEXIBLE PHOTOVOLTAIC PANELS

NAVY-BLUE XTREME SERIES

-  TOP EFFICIENCY THANKS TO RELIABLE „SUN POWER” BACK-CONTACT CELLS
-  ANTI-SLIP SURFACE THAT YOU CAN WALK
-  RESISTANT TO SEA SALT
-  BETTER PERFORMACE AT LOW SUN ANGLE
-  EASY AND FAST INSTALLATION USING TAPE/GLUE/SCREWS



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VAT PL 113-245-06-05

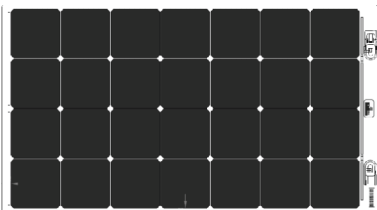
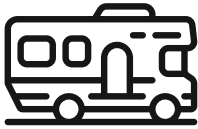
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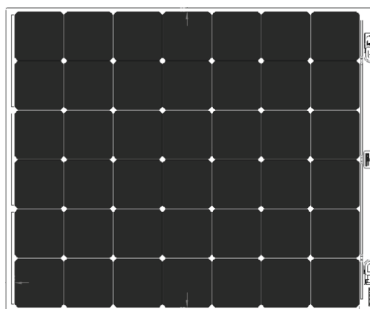
ACTIVESOL

semi-flexible photovoltaic modules

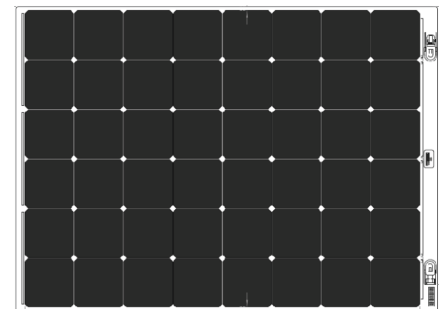
NAVY-BLUE XTREME



NBX-100B-WA



NBX-145B-WA



NBX-165B-WA

NBX-100B-WA NBX-145B-WA NBX-165B-WA

ELECTRICAL PARAMETERS

Peak Power [Pmax]	96 Wp	143 Wp	164 Wp
Max. Power Voltage	17,0 V	25,5 V	29,2 V
Max Power Current	5,6 A	5,6 A	5,6 A
Open Circuit Voltage	20,0 V	30,0 V	34,3 V
Short Circuit Current	6,0 A	6,0 A	6,0 A
Module Efficiency	18,9%	19,4%	19,5%
Power output tolerance	+/- 5%	+/- 5%	+/- 5%

Values presented for STC (Standard test conditions): incident sunlight 1000 W/m2, solar cell temperature 25 °C, AM1.5

Max system voltage	250 V DC	250 V DC	250 V DC
Max Series Fuse Rating	12A	12A	12A

TEMPERATURE COEFFICIENTS

Isc	0,045 %/K	0,045 %/K	0,045 %/K
Voc	-0,239 %/K	-0,239 %/K	-0,239 %/K
Pmax	-0,290 %/K	-0,290 %/K	-0,290 %/K

GENERAL INFORMATION

Cell type	Interdigitated Back Contact	Interdigitated Back Contact	Interdigitated Back Contact
Junction Box *1	MC4 Plug&Play type	MC4 Plug&Play type	MC4 Plug&Play type
Module thickness	3 mm	3 mm	3 mm
Junction Box Thickness	15 mm	15 mm	15 mm
Weight	1,8 kg	2,6 kg	3,0 kg
Dimensions *1	960 x 530 mm	960 x 780 mm	1085 x 780 mm
Bending Radius	1 m	1 m	1 m
Anti-slippery surface/walkable	yes/yes	yes/yes	yes/yes
Frontsheet *1	matt finish	matt finish	matt finish
Backsheet *2	white	white	white
Operating module temperature:	-40 to +85 °C	-40 to +85 °C	-40 to +85 °C
Recommended use	mobile & marine including saline water environment; module can be walked on with barefoot or flat shoe		
Approximate daily productivity *3	432 Wh	644 Wh	738 Wh
LED light	43 h	64 h	74 h
Laptop	7 h	10 h	11 h
60 liter fridge	5 h	8 h	9 h
40" TV	6 h	9 h	11 h

*1 Can be customized on demand (custom-made offer).

*2 White/black/transparent available (custom-made offer).

*3 Evaluation based on climate of Canary islands with panels flat mounted, typical summer (PVGIS-SARAH2 model).