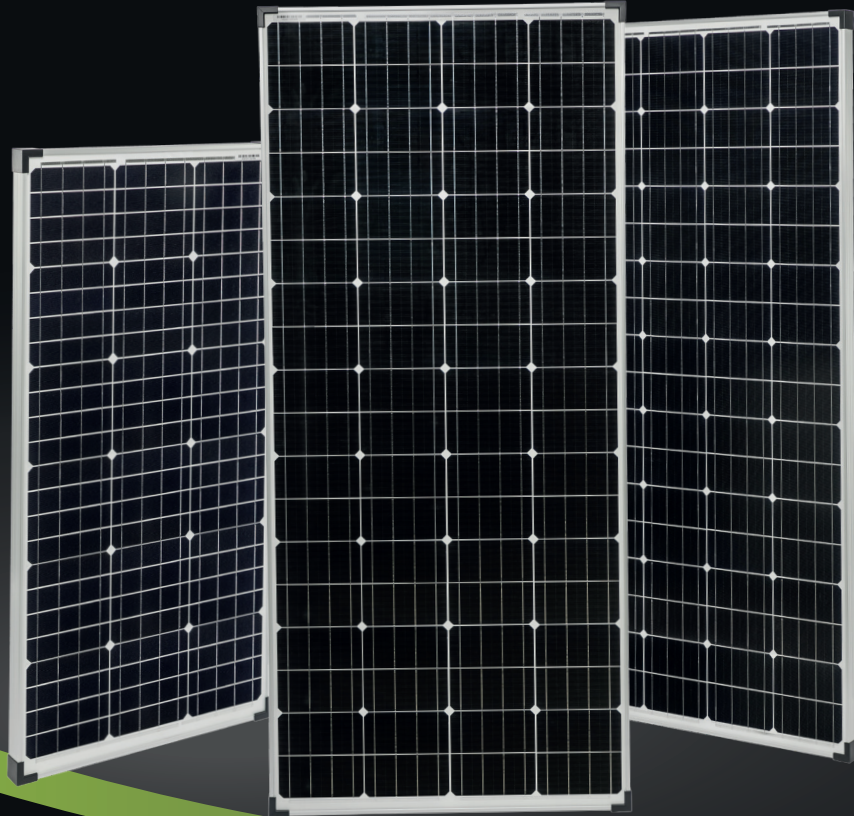


MONO HIGH VOLTAGE M-HV



WATTSTUNDE

Solar panels



MONO HIGH VOLTAGE – Series

100 W-HV • 100 W-A • 130 W-HV

160 W-HV • 180 W-HV

High-quality workmanship, long life and optimum yields are guaranteed with the WATTSTUNDE® Mono Solar series. Equipped with powerful monocrystalline A-grade cells and Multi Busbar design, the solarpanels provide optimum yield in all wind and weather conditions.

- Antireflective glass with lotus effect
- Weatherproof junction box (IP65)
- Problem-free interconnection of several modules thanks to MC4 connector
- Enclosed in a stable hollow chamber profile frame
- Highest stability even in extreme weather conditions
- High voltage reduces cable losses and enables higher yields with diffused light

Technical changes, errors and printing mistakes are reserved stand 01.2022



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Typ	WS100M-HV	WS100M-A	WS130M-HV	WS160M-HV	WS180M-HV
Article no.	101-10101	101-10102	101-10131	101-10151	101-10181
Nominal power (Pmax)	100 W	100 W	130 W	160 W	180 W
Max. energy output (summer)	400 Wh/d	400 Wh/d	520 Wh/d	640 Wh/d	720 Wh/d
Max. power voltage (Ump)	36,50 V	20,80 V	41,50 V	38,00 V	39,50 V
Max. power current (Imp)	2,74 A	4,81 A	3,13 A	4,21 A	4,56 A
Open circuit voltage (Uoc)	43,00 V	24,80 V	49,50 V	44,00 V	51,50 V
Short circuit current (Isc)	2,96 A	5,22 A	3,38 A	4,76 A	4,95 A
Bypass-diode	integrated				
Cell efficiency	≥ 20 %				
Max. working temperature	-40 °C bis + 85 °C				
Connection cable	90 cm + MC4 Connector				

Values according to STC-conditions
(E= 1000W/m², Tc=25 °C, AM=1,5)

Dimension

Number of cells	72	36	72	72	72
Weight	6,0 kg	5,6 kg	7,3 kg	10,0 kg	10,6 kg
Dimensions mm (L x B x H)	1040 x 515 x 35	1030 x 510 x 35	1370 x 510 x 35	1480 x 670 x 35	1495 x 668 x 35

Basic Data Module

Cell material	Monocrystalline solar cells
Frame	Aluminium anodized
Junction box	IP 65
Product warranty	5 years
Warranty of performance	25 years (to 80% of the power)
Temperature coefficient (Isc)	+0,03 % / K
Temperature coefficient (Uoc)	-0,31 % / K
Temperature coefficient (Pmp)	-0,43 % / K

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