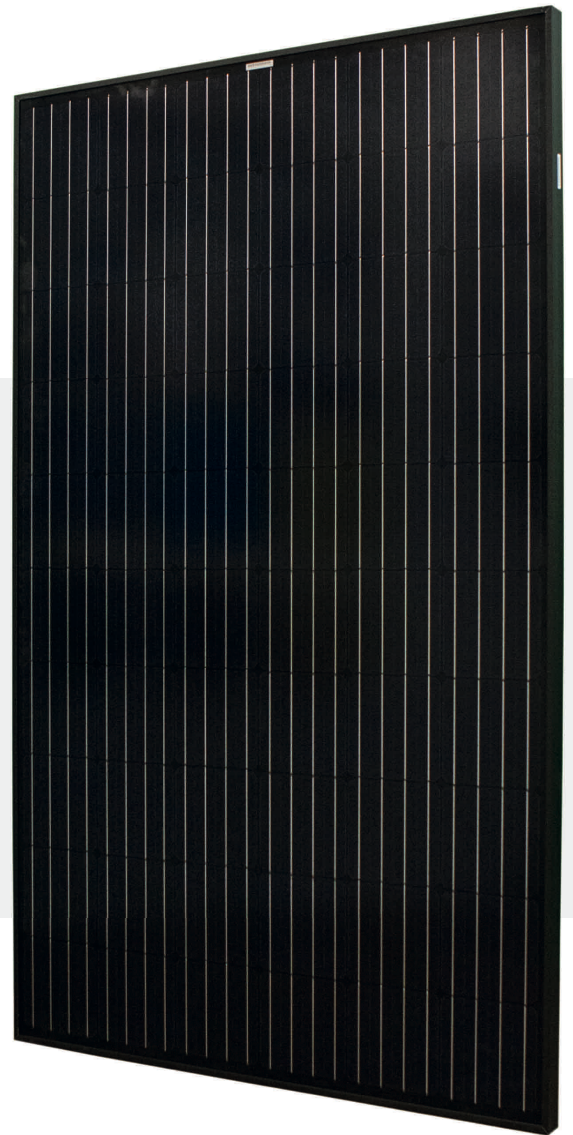


# A-EXM MONO FULL BLACK MONOCRYSTALLINE 60 CELLS



**OUTPUT:**  
**300 WATT**

EXE high efficiency all black monocrystalline 60-cell series combines visual attractiveness to high performance. This series features black back sheet, a 3.5 mm black anodized aluminium frame, which combines robustness to light weight, and a 3.2 mm anti-reflective glass optimizing panel performance to solar irradiance.



Guaranteed positive output tolerance of 0/+5 Wp by single measuring



Maximum 5400 N/m<sup>2</sup> snow load



3,2 mm anti-reflective glass



Maximum stability through aluminium frame Soft-Grip



15 years manufacturer's warranty  
25 years linear performance guarantee

# A-EXM MONO ALL BLACK MONOCRYSTALLINE 60 CELLS



Type	A-EXM 300/156-60
Nominal output P <sub>mpp</sub>	300W <sub>p</sub>
Nominal voltage U <sub>mpp</sub>	32,60V
Nominal current I <sub>mpp</sub>	9,23A
Short circuit current I <sub>sc</sub>	9,73A
Open circuit voltage U <sub>oc</sub>	39,90V
Module withversion efficiency	18,33%

Electrical characteristics (at Standard Test Conditions (STC) of irradiance 1000W/m<sup>2</sup>, spectrum AM 25°C)

Design	
Frontside	3,2 mm anti-reflective glass
Cells	60 cells monocrystalline high efficiency cells 157x157 mm -5BB
Backside	Composite film black
Frame	35mm black anodized aluminium frame

Mechanical data	
LxWxH	1650 x 992 x 35 mm
Weight	19,5 kg with Frame

Temperature coefficient	
Voltage U <sub>oc</sub>	-0,30%/K
Corrente I <sub>SC</sub>	+0,04%/K
Output P <sub>mpp</sub>	-0,42%/K

Power withnection	
Socket	Protection class IP 67 (3 bypass diodes)
Wire	Approx 110 cm / 4 mm <sup>2</sup>
Plug-in system	Plug / Socket IP 67

Limit values	
System voltage	1500 VDC
NOCT*	45°C +/- 2K
Max. load-carrying capacity	5400 N/m <sup>2</sup>
Reverse current feed IR	16,0 A

\*NOCT, irradiance 800 W/m<sup>2</sup>; AM 1.5; wind speed 1 m/sec; Temperature 20°C)

