

A-EXM **MONO**

MONOCRYSTALLINE 72 CELLS



OUTPUT:

390 - 410 WATT

EXE high efficiency monocrystalline 72 cell series grants high performance and conversion efficiency over 20,80%. This series features a 40 mm anodized aluminium frame, which combines robustness to light weight, and a 3.2 mm antireflective glass optimizing panel performance to solar irradiance. EXE monocrystalline cells are based on PERC technology and are rear passivated.



Output tolerance of 0/+5Wp



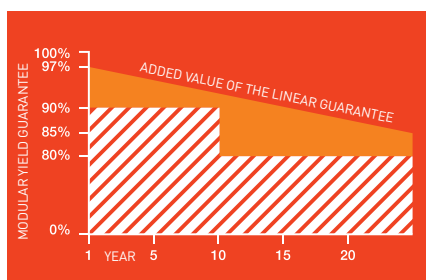
Maximum 5400 N/m² snow load



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

MONOCRYSTALLINE 72 CELLS



STC	A-EXM390	A-EXM400	A-EXM410
Maximum Power (Pmax)	390W	400W	410W
Open Circuit Voltage (Voc) (V)	49.61	50.29	50.97
Short Circuit Current (Isc) (A)	10.14	10.24	10.34
Voltage at Maximum Power (Vmpp) (V)	40.63	41.24	41.84
Current at Maximum Power (Impp) (A)	9.60	9.70	9.80
Modul Efficiency (%)	19.78	20.29	20.80

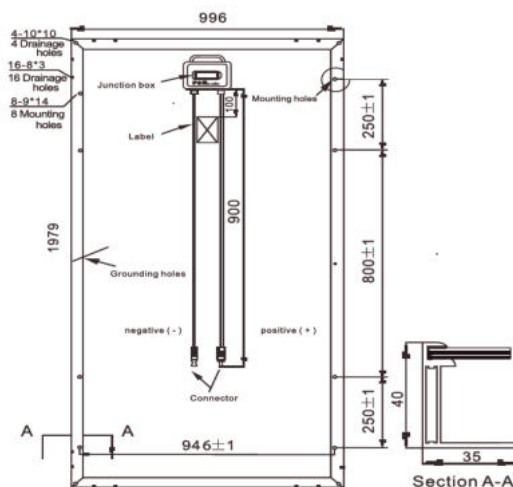
Electrical characteristics (at Standard Test Conditions (STC) of irradiance 1000W/m², spectrum AM 25°C)

Electrical Parameters at NOCT	A-EXM390	A-EXM400	A-EXM410
NOCT irradiance 800W/m ² , AM 1.5G, cell temperature 20°C, wind speed 1m/s	A-EXM390	A-EXM400	A-EXM410
Maximum Power (Pmax)	289W	297W	305W
Open Circuit Voltage (Voc) (V)	45.72	46.26	46.79
Short Circuit Current (Isc) (A)	8.17	8.29	8.41
Voltage at Maximum Power (Vmpp) (V)	37.48	37.93	38.36
Current at Maximum Power (Impp) (A)	7.71	7.83	7.95

Temperature Characteristics	
Pmax Temperature Coefficients (W/°C)	-0.36%/°C
Voc Temperature Coefficients (V/°C)	-0.29%/°C
Isc Temperature Coefficients (A/°C)	+0.05%/°C
Noct Nominal Operating Cell Temperature (°C)	45+/-2°C

Operating Conditions	
Operating Module Temperature:	-40°C to +85°C
Maximum System Voltage:	1500V
Maximum Series Fuse Rating:	30A
Power Tolerance:	0/+5W
Maximum Static Load Front	5400Pa
Maximum Static Load Back	2400Pa
Application Class	Class A

Specifications	
Cell Type	158.75x158.75 Mono
Weight	23.5kg +/-3%
Dimensions	1979x996x40mm (+/-2mm)
Cable Cross Section Size	4mm ² , cable 90cm, QC4
No. Of cells	72 (6x12)
Junction Box	IP67, 3 diodes
Frame	Black Anodized Aluminium Alloy
Front Glass	3,2mm high transmission, low iron, tempered glass



I-V Curve: (A-EXM390)

