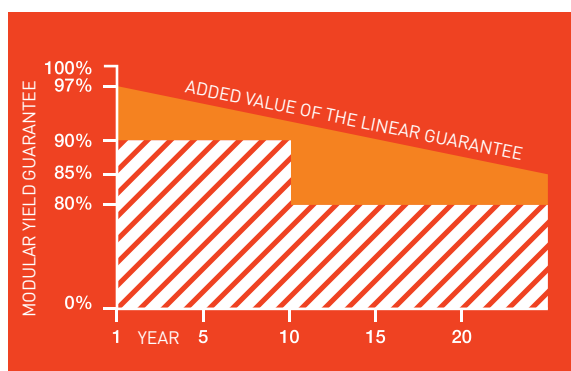


A-MONO FULL BLACK MONOCRYSTALLINE 60 CELLS



OUTPUT: 310 - 325 WATT

EXE high efficiency all black mono-crystalline 60-cell series combines visual attractiveness to high performance. This series features black back sheet, a 35mm black anodized aluminium frame, which combines robustness to light weight, and a 3.2mm anti-reflective glass optimizing panel performance to solar irradiance.



15 years manufacturer's warranty
25 years linear performance guarantee



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



Maximum 5400Pa snow load



3,2mm anti-reflective glass



Maximum stability through aluminium frame Soft-Grip

A-MONO FULL BLACK MONOCRYSTALLINE 60 CELLS

STC	A-M310/60	A-M320/60	A-M325/60
Maximum Power (Pmax)	310W	320W	325W
Open Circuit Voltage (Voc) (V)	39.80	40.43	40.74
Short Circuit Current (Isc) (A)	10.05	10.19	10.26
Voltage at Maximum Power (Vmpp) (V)	32.56	33.13	33.40
Current at Maximum Power (Impp) (A)	9.55	9.66	9.74
Modul Efficiency (%)	18.77	19.37	19.68

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

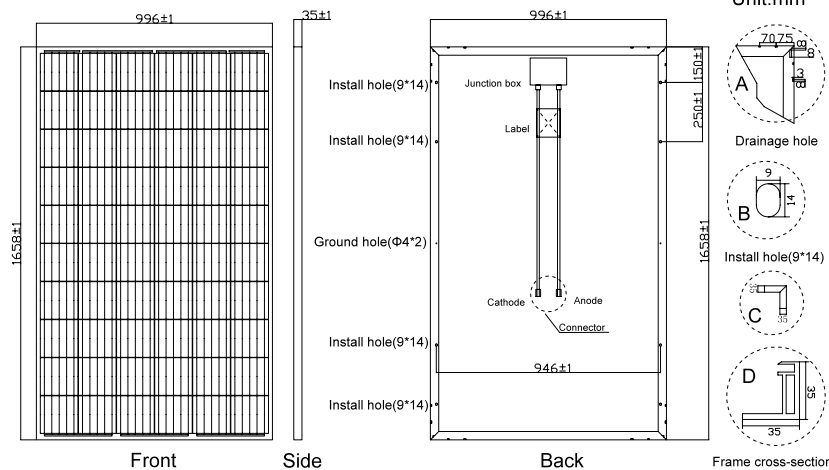
Electrical Parameters at NOCT	A-M310/60	A-M320/60	A-M325/60
NOCT irradiance 800W/m ² , AM 1.5G, cell temperature 20°C, wind speed 1m/s	A-M310	A-M320	A-M325
Maximum Power (Pmax)	229W	237W	241W
Open Circuit Voltage (Voc) (V)	37.28	38.15	38.59
Short Circuit Current (Isc) (A)	7.94	8.02	8.06
Voltage at Maximum Power (Vmpp) (V)	30.57	31.31	31.67
Current at Maximum Power (Impp) (A)	7.49	7.57	7.61

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:	20A
Power Tolerance:	0/+5W
Maximum Static Load Front	5400Pa tested 8000Pa
Maximum Static Load Back	2400Pa
Application Class	Class A

Specifications	
Cell Type	158.75x158.75 Mono
Weight	18.5kg +/-3%
Dimensions	1658x996x35mm (+/-2mm)
Cable Cross Section Size	4mm ² , cable 90cm, QC4
No. Of cells	60 (6x10)
Junction Box	IP67, 3 diodes
Frame	Black Anodized Aluminium
Front Glass	3,2mm high transmission, low iron,tempered glass

solar panel (1658*996*35)



I-V Curve: (EXM310)

