

MONO FULL CELLS - BLACK | BLACK

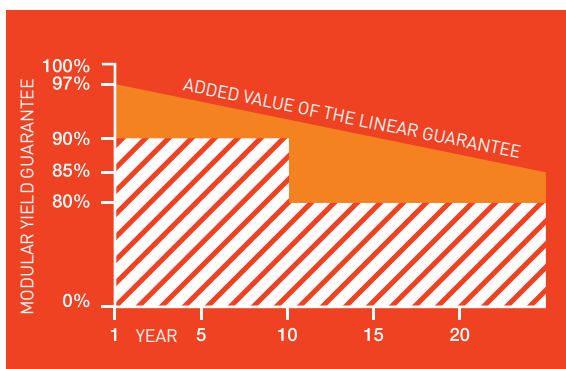
MONOCRYSTALLINE 60 CELLS



OUTPUT:

310 - 325 WATT

EXE high efficiency full black monocrystalline 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

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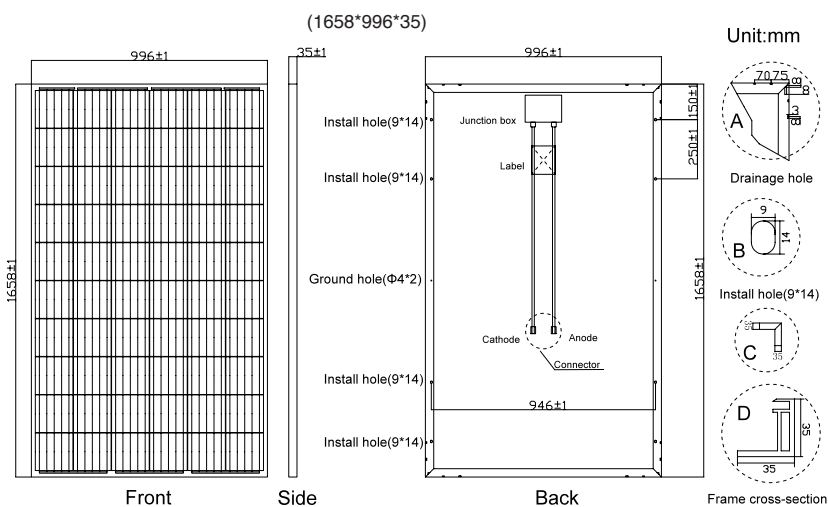
STC	A-M310/60	A-M320/60	A-M325/60
Maximum Power (Pmax)	310W	320W	325W
Open Circuit Voltage (Voc) (V)	39.80	40.43	40.74
Short Circuit Current (Isc) (A)	10.05	10.19	10.26
Voltage at Maximum Power (Vmpp) (V)	32.56	33.13	33.40
Current at Maximum Power (Impp) (A)	9.55	9.66	9.74
Modul Efficiency (%)	18.77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

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

NOCT	A-M310/60	A-M320/60	A-M325/60
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

Electrical characteristics at NOCT, irradiance 800W/m², spectrum AM 1.5G, cell temperature 20°C, wind speed 1 m/s

Temperature Characteristics		Specifications	
Pmax Temperature Coefficients (W/°C)	-0.36%/°C	Cell Type	158.75x158.75 Mono
Voc Temperature Coefficients (V/°C)	-0.29%/°C	Weight	17.5kg +/-3%
Isc Temperature Coefficients (A/°C)	+0.05%/°C	Dimensions	1658x996x35mm (+/-2mm)
Noct Nominal Operating Cell Temperature (°C)	45+/-2°C	Cable Cross Section Size	4mm², cable approx 110cm, QC4
Operating Conditions		No. of cells	60 (6x10)
Operating Module Temperature:	-40°C to +85°C	Junction Box	IP67, 3 diodes
Maximum System Voltage:	1500V	Frame	Black anodized aluminium
Maximum Series Fuse Rating:	20A	Front Glass	3,2mm high transmission, low iron, tempered glass
Power Tolerance:	0/+5W		
Maximum Static Load Front	5400Pa tested 8000Pa		
Maximum Static Load Back	2400Pa		
Application Class	Class A		



I-V Curve: (A-M310)

