

# MONO FULL CELLS - SILVER | WHITE

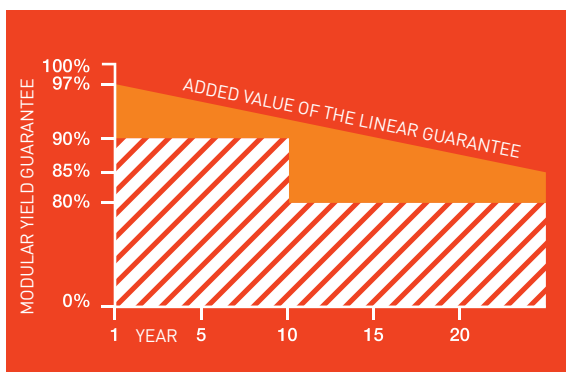
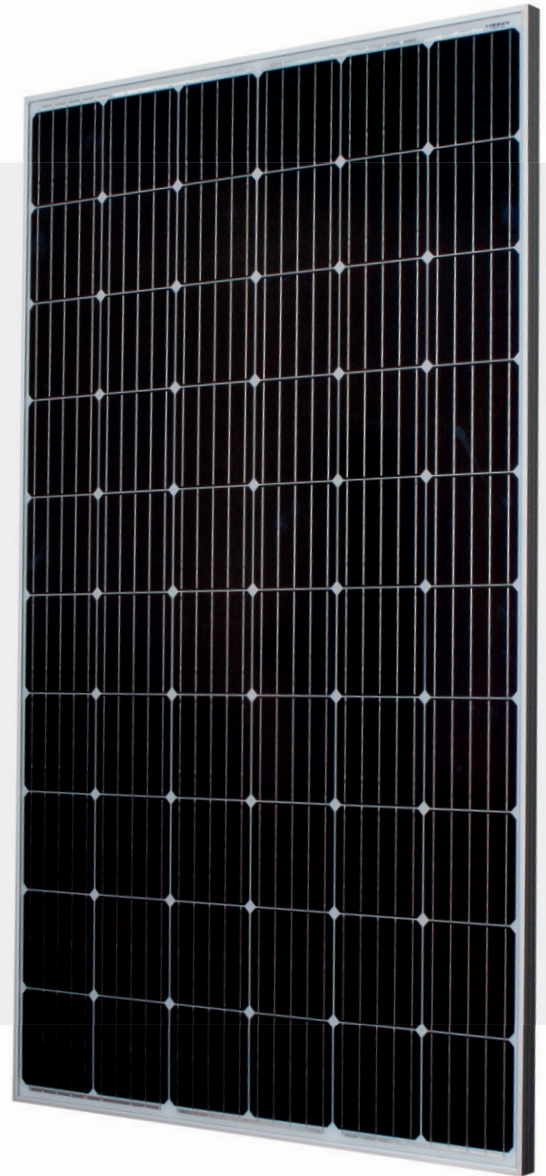
## MONOCRYSTALLINE 60 CELLS



### OUTPUT:

## 310 - 340 WATT

EXE high efficiency monocrystalline 60-cell series grants high performance and conversion efficiency over 19%. This series features a 35mm silver anodized aluminium frame, which combines robustness to light weight, and a 3.2mm anti-reflective glass optimizing panel performance to solar irradiance. EXE monocrystalline cells are based PERC-technology and rear passivated.



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



3,2 mm anti-reflective glass



Maximum stability through  
aluminium frame Soft-Grip

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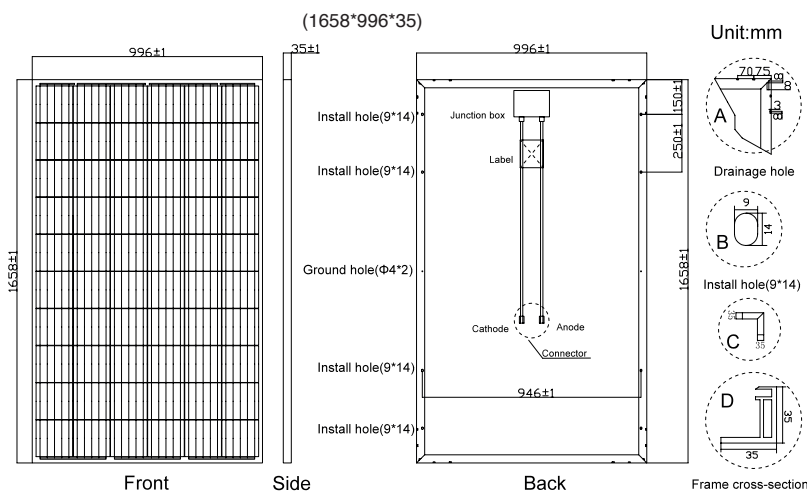
| STC                                 | A-M310/60 | A-M320/60 | A-M330/60 | A-M340/60 |
|-------------------------------------|-----------|-----------|-----------|-----------|
| Maximum Power (Pmax)                | 310W      | 320W      | 330W      | 340W      |
| Open Circuit Voltage (Voc) (V)      | 39.85     | 40.43     | 41.05     | 41.66     |
| Short Circuit Current (Isc) (A)     | 10.07     | 10.19     | 10.33     | 10.48     |
| Voltage at Maximum Power (Vmpp) (V) | 32.58     | 33.13     | 33.67     | 34.02     |
| Current at Maximum Power (Impp) (A) | 9.56      | 9.66      | 9.80      | 9.94      |
| Modul Efficiency (%)                | 18,77     | 19.38     | 19.98     | 20.58     |

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

| NOCT                                | A-M310/60 | A-M320/60 | A-M330/60 | A-M340/60 |
|-------------------------------------|-----------|-----------|-----------|-----------|
| Maximum Power (Pmax)                | 229W      | 237W      | 245W      | 253W      |
| Open Circuit Voltage (Voc) (V)      | 37.28     | 38.15     | 39.01     | 40.29     |
| Short Circuit Current (Isc) (A)     | 7.94      | 8.02      | 8.10      | 8.18      |
| Voltage at Maximum Power (Vmpp) (V) | 30.57     | 31.31     | 32.03     | 32.76     |
| Current at Maximum Power (Impp) (A) | 7.49      | 7.57      | 7.65      | 7.73      |

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                    | Silver anodized aluminium     |
| 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              |                          |                               |



I-V Curve: (A-M320)

