



Technical manual

# ELERIX SOLAR PANEL

Mono PERC Crystalline Solar Module  
340Wp



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EXS-340M-B







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340Wp

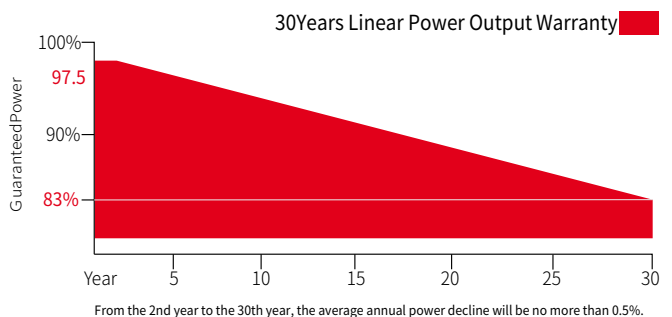
## Mono PERC Crystalline Solar Module 340Wp

### Key Features

-  Excellent module efficiency up to: 20.88%
-  IP68 junction box for long-term weather endurance
-  Heavy snow load up to 5400 Pa, wind load up to 3600 Pa
-  PID: Selected material and stringent quality system ensure PID free
-  Applicable to harsh environment of deserts, farmlands and seashores
-  Much lower risk of Hot Spot

### Warranty

-  Linear power output warranty
  - ▶ 12 years minimum 92% power output
  - ▶ 30 years minimum 83% power output
-  Product warranty on materials and workmanship  
According to the applicable ELERIX Limited Warranty Statement

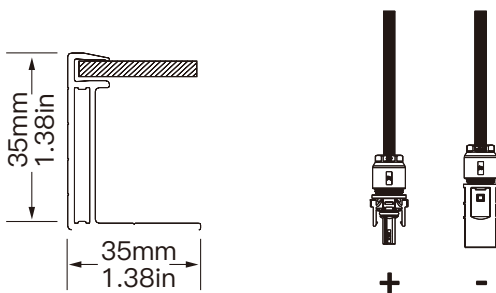
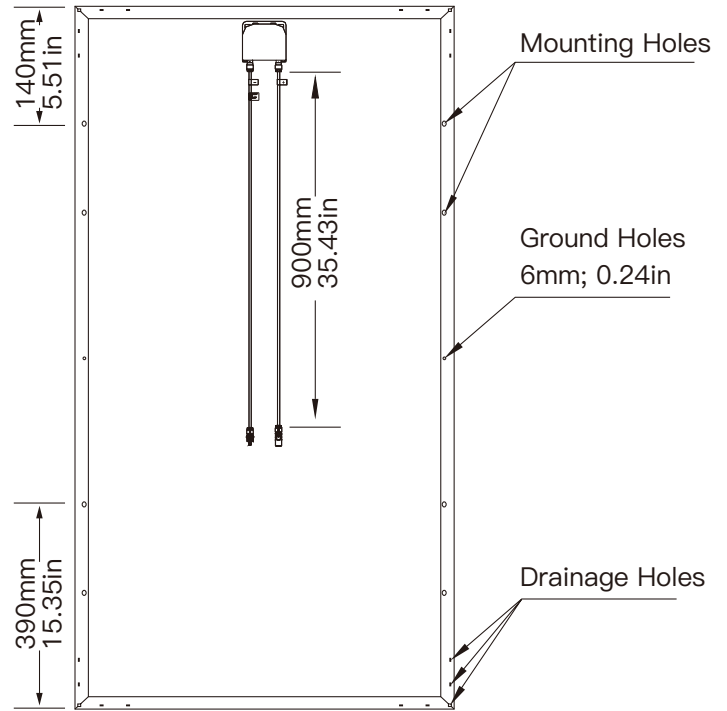
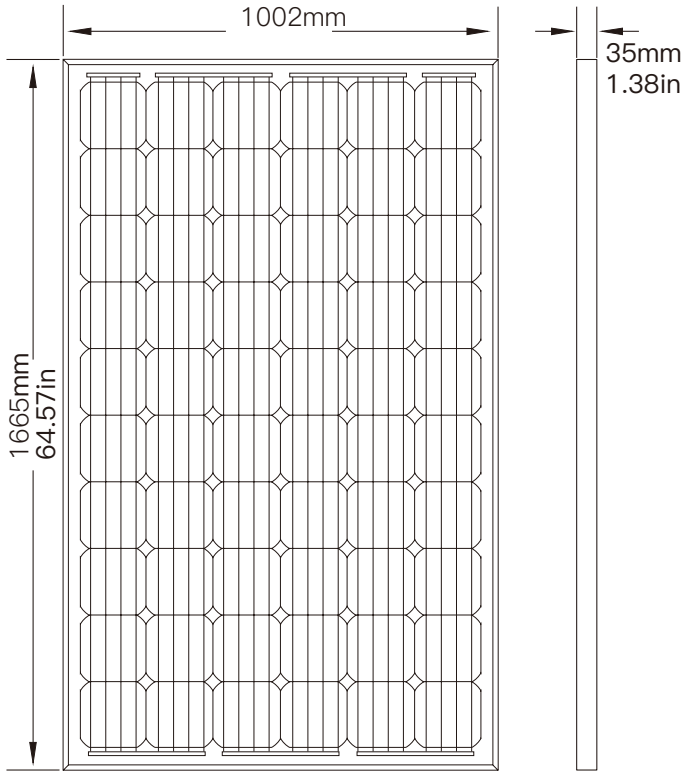


### Certification



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340Wp

| Electrical Specification    | EXS-340M-B                    |
|-----------------------------|-------------------------------|
| Maximum Power (Pmax)        | 340W                          |
| Module Efficiency           | 20.88%                        |
| Open Circuit Voltage (Voc)  | 41.70V                        |
| Short Circuit Current (Isc) | 10.50A                        |
| Maximum Power Voltage (Vmp) | 34.20V                        |
| Maximum Power Current (Imp) | 9.94A                         |
| Maximum System Voltage      | ICE 1500V (VDC)/UL1500V (VDC) |
| Maximum Series Fuse Rating  | 20A                           |

| Electrical Data@Noct | EXS-340M-B |
|----------------------|------------|
| Pmax (W)             | 253.00     |
| Vmp (V)              | 32.20      |
| Imp (A)              | 7.85       |
| Voc (V)              | 38.60      |
| Isc (A)              | 8.83       |

NOCT: Irradiance: 800W/m<sup>2</sup>, Ambient Temperature: 20°C, Air Mass: 1.5, Wind Speed: 1m/s.

# ELERIX SOLAR PANEL



Mono Cr Cell, 60 Cells, Blue, 156x156mm Module  
340Wp

## Mechanical Specification

|                 |   |
|-----------------|---|
| Solar Cell Type | Mono Cr stalline Solar Module 156x156mm |
| Number of Cells | 60pcs (6x10)                            |
| Module Size     | 1665*1002*35mm                          |
| Weight          | 18.0kg                                  |
| Glass           | 3.2mm tempered glass                    |
| Back Sheet      | Black                                   |
| Frame           | Anodized aluminum alloy frame, black    |
| Junction Box    | IP68                                    |
| Connector       | MC4 Compatible                          |
| Wind/Snow Load  | 3600pa/5400pa                           |

## Temperature Characteristics

|   |                  |
|---|------------------|
| NMOT (Nominal Module Operating Temperature) | 45 °C (+/- 2 °C) |
| Temperature Coefficient (Pmax)              | -0.39% / °C      |
| Temperature Coefficient (Voc)               | -0.30% / °C      |
| Temperature Coefficient (Isc)               | 0.05% / °C       |

## Packaging Configuration

|                    |            |
|--------------------|------------|
| Quantity per box:  | 30 pieces  |
| Quantity per 20GP: | 360 pieces |
| Quantity per 40HQ: | 910 pieces |

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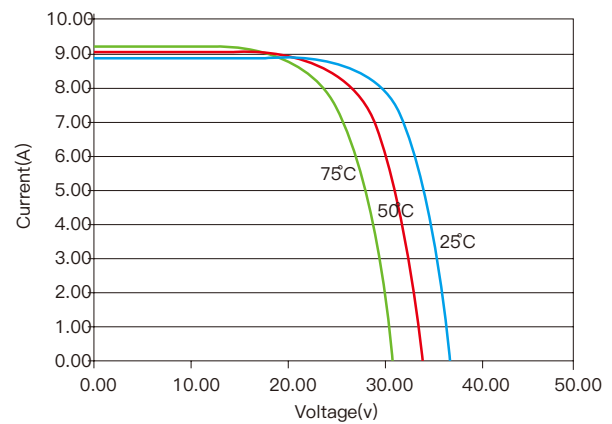
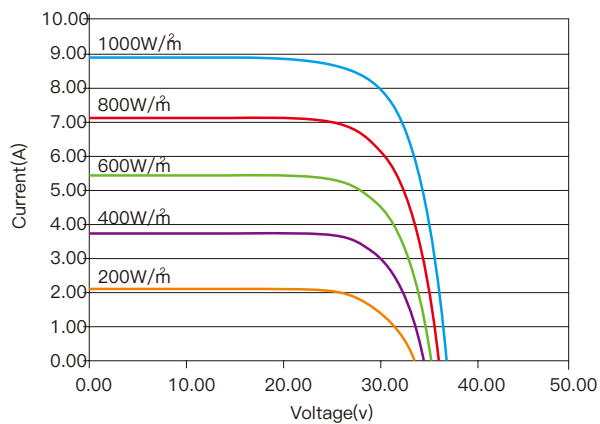
## Maximum Rating

|                         |                                 |
|-------------------------|---------------------------------|
| Operational Temperature | -40 to +85 °C                   |
| Myximum system Voltage  | 1500V DC (IEC)<br>1500V DC (UL) |
| Max Series Fuse Rating  | 20A                             |
| Snow Load               | 5400Pa (3600Pa)                 |
| Wind Load               | 3600Pa (1600Pa)                 |

\*design load with safety factor 1.5

(DO NOT connect Fuse in Combiner 'Box with two or more strings in parallel connection)

## IV Curve



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