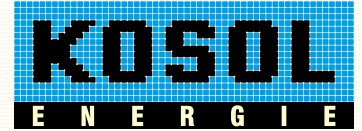
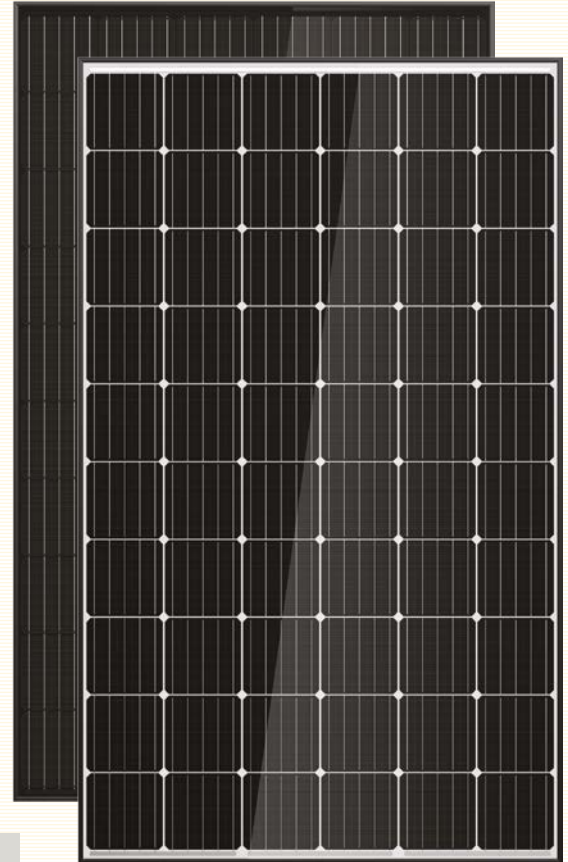
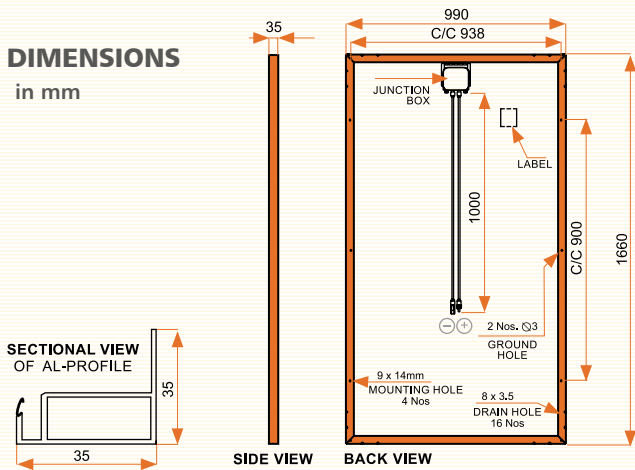


# Earth Mono Series



## Monocrystalline Solar PV Modules 60 Cells

### DIMENSIONS in mm



### TECHNICAL SPECIFICATIONS

| TYPE   | KE 275 | KE 280 | KE 285 | KE 290 | KE 295 | KE 300 | KE 305 |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Pmp/W* | 275    | 280    | 285    | 290    | 295    | 300    | 305    |
| Imp/A  | 8.76   | 8.84   | 8.97   | 9.01   | 9.08   | 9.19   | 9.28   |
| Vmp/V  | 31.4   | 31.7   | 31.8   | 32.2   | 32.5   | 32.6   | 32.9   |
| Isc/A  | 9.26   | 9.35   | 9.45   | 9.5    | 9.55   | 9.64   | 9.72   |
| Voc/V  | 38.7   | 39     | 39.3   | 39.5   | 39.7   | 39.9   | 41.2   |

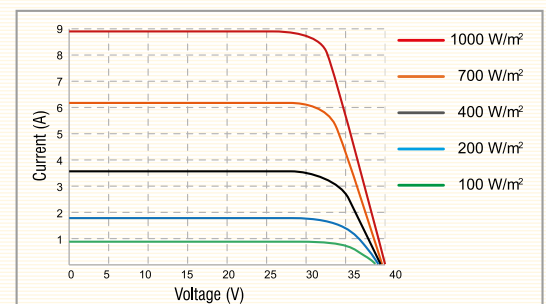
### THERMAL PARAMETERS

|                             |                   |
|-----------------------------|-------------------|
| Tc of Open Circuit Voltage  | - 0.29% / °C      |
| Tc of Short Circuit Current | 0.05% / °C        |
| Tc of Power                 | - 0.39% / °C      |
| Maximum System Voltage      | 1000 V            |
| NOCT                        | 44 °C ± 2 °C      |
| Operating Range             | - 40 °C to +85 °C |

### MECHANICAL DATA

|                            |   |
|----------------------------|---|
| L x W x H (mm)             | 1660 x 990 x 35                                     |
| Weight                     | 18.5 kg   |
| Junction Box               | IP67  |
| Cable & Connectors         | 1000 mm length with 4 mm <sup>2</sup> MC4 connector |
| Superstrate                | High transmission low iron AR Coated tempered glass |
| Frame                      | Anodized Aluminium frame                            |
| Mechanical Load Test       | 5400 Pa   |
| Maximum Series Fuse Rating | 20 A  |

### IV CURVES



\* STC: 1000 w/m<sup>2</sup>, 25 °C, AM 1.5