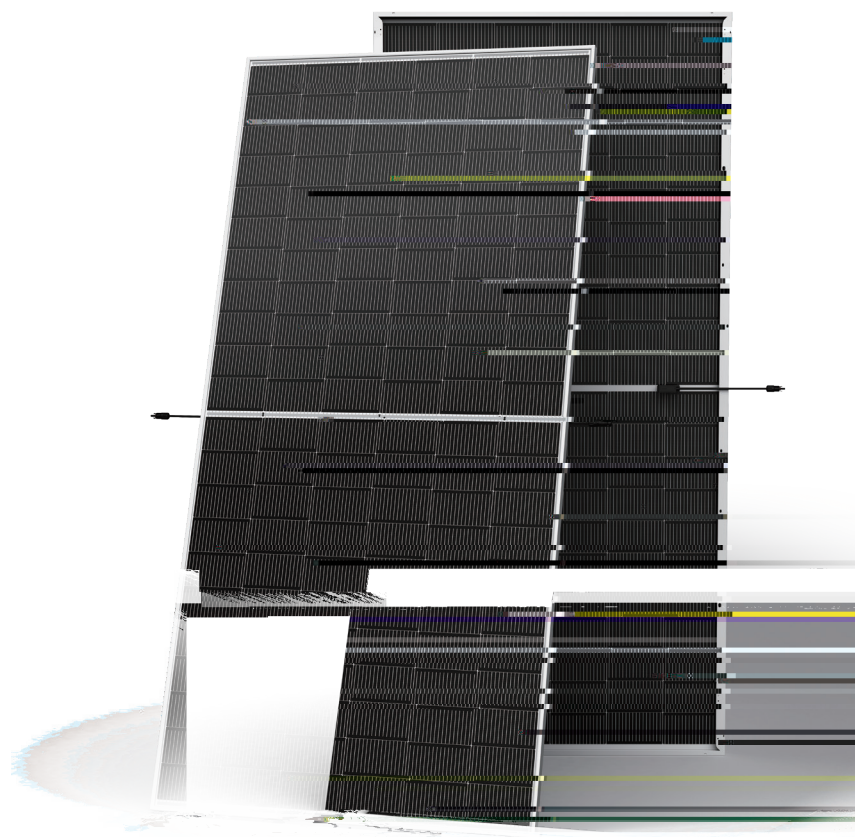




### High customer value

- Lower LCOE , reduced BOS cost, better ROI
- Lowest guaranteed first year and annual degradation
- Optimized compatibility with existing mainstream system components



### High power up to 620W

- Up to 23.0% module efficiency
- High density interconnection provides improved power density
- MBB technology improves lighttrapping effect and currentcollection, while lowering series resistance

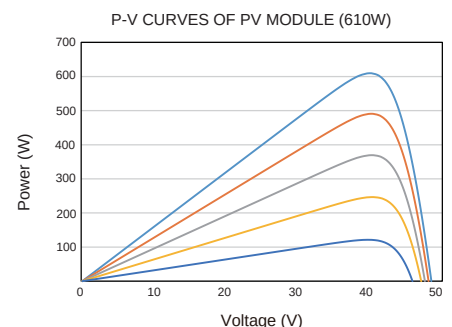
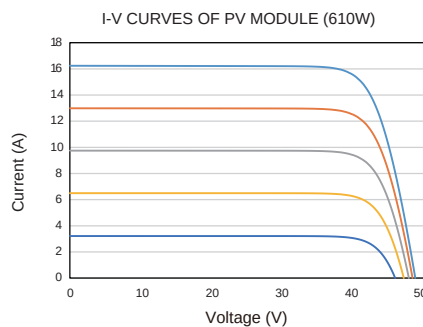


| Testing Condition                                                                                                                                                                                                           | STC | NOCT | STC | NOCT | STC | NOCT | STC | NOCT | STC | NOCT | STC | NOCT | STC | NOCT |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|
| Peak Power Watts- $P_{MAX}(W_p)$ *                                                                                                                                                                                          |     |      |     |      |     |      |     |      |     |      |     |      |     |      |
| Power Selection (W)**                                                                                                                                                                                                       |     |      |     |      |     |      |     |      |     |      |     |      |     |      |
| Maximum Power Voltage- $V_{MPP}(V)$                                                                                                                                                                                         |     |      |     |      |     |      |     |      |     |      |     |      |     |      |
| Maximum Power Current- $I_{MPP}(A)$                                                                                                                                                                                         |     |      |     |      |     |      |     |      |     |      |     |      |     |      |
| Open Circuit Voltage- $V_{oc}(V)$                                                                                                                                                                                           |     |      |     |      |     |      |     |      |     |      |     |      |     |      |
| Short Circuit Current- $I_{sc}(A)$                                                                                                                                                                                          |     |      |     |      |     |      |     |      |     |      |     |      |     |      |
| Module Efficiency $\eta$ (%)                                                                                                                                                                                                |     |      |     |      |     |      |     |      |     |      |     |      |     |      |
| STC: Irradiance 1000W/m <sup>2</sup> , Cell Temperature 25°C, Air Mass AM1.5. NOCT: Irradiance at 800W/m <sup>2</sup> , Ambient Temperature 20°C, Wind Speed 1m/s. *Measuring tolerance: ±3%. **Power selection up to: +3%. |     |      |     |      |     |      |     |      |     |      |     |      |     |      |

|                                     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |
|-------------------------------------|----|-----|----|-----|----|-----|----|-----|----|-----|----|-----|----|-----|
| Backside Power Gain                 | 5% | 10% | 5% | 10% | 5% | 10% | 5% | 10% | 5% | 10% | 5% | 10% | 5% | 10% |
| Peak Power Watts- $P_{MAX}(W_p)$    |    |     |    |     |    |     |    |     |    |     |    |     |    |     |
| Maximum Power Voltage- $V_{MPP}(V)$ |    |     |    |     |    |     |    |     |    |     |    |     |    |     |
| Maximum Power Current- $I_{MPP}(A)$ |    |     |    |     |    |     |    |     |    |     |    |     |    |     |
| Open Circuit Voltage- $V_{oc}(V)$   |    |     |    |     |    |     |    |     |    |     |    |     |    |     |
| Short Circuit Current- $I_{sc}(A)$  |    |     |    |     |    |     |    |     |    |     |    |     |    |     |
| Power Bifaciality:80±5%.            |    |     |    |     |    |     |    |     |    |     |    |     |    |     |

|                                          |             |
|------------------------------------------|-------------|
| NOCT(Nominal Operating Cell Temperature) | 43 q (±2 q) |
| Temperature Coefficient of $P_{MAX}$     | - 0.29% / q |
| Temperature Coefficient of $V_{oc}$      | - 0.24% / q |
| Temperature Coefficient of $I_{sc}$      | 0.04% / q   |

|                         |                                 |
|-------------------------|---------------------------------|
| Operational Temperature | -40~+85 q                       |
| Maximum System Voltage  | 1500V DC (IEC)<br>1500V DC (UL) |
| Max Series Fuse Rating  | 30A*                            |



|                   |                                                                                                                                                                            |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Solar Cells       | N-type TOPCon Monocrystalline                                                                                                                                              |
| No. of cells      | 132 cells                                                                                                                                                                  |
| Module Dimensions | 2382×1134×30 mm<br>(93.78×44.65×1.18 inches)                                                                                                                               |
| Weight            | 33.0 kg (72.8 lb)                                                                                                                                                          |
| Front Glass       | 2.0 mm (0.08 inches) ,<br>AR Coating Heat Strengthened Glass                                                                                                               |
| Back Glass        | 2.0 mm (0.08 inches) ,<br>Heat Strengthened Glass                                                                                                                          |
| Frame             | 30mm (1.18 inches)<br>Anodized Aluminium Alloy                                                                                                                             |
| J-Box             | IP 68 rated                                                                                                                                                                |
| Cables            | Photovoltaic Technology<br>Cable 4.0mm (0.006 inches)<br>Portrait: 200/320 mm (7.87/12.60 inches)<br>Landscape: 1400/1400mm (55.1/55.1 inches)<br>Length can be customized |
| Connector         | MC4 EVO2 / TS4 Plus / TS4*                                                                                                                                                 |
| Packaging         | Modules per box: 36 pieces<br>Modules per 40'/53' container: 540 pieces                                                                                                    |



CAUTION: READ SAFETY AND INSTALLATION INSTRUCTIONS BEFORE USING THE PRODUCT.  
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