

MoNo 1

CZJT-182M-16D1

F194R174

- Lower LID
- Superior anti-PID performance
- Lower Cell to Module (CTM) Loss Rate, more suitable for high-efficiency module
- Relative conversion efficiency $\geq 92\%$ under low light ($200\text{W}/\text{m}^2$)
- Front efficiency $\geq 25\%$, Bifacial rate $\geq 80\%$



- ADEME:PPE2
- ISO9001:2015
- ISO14001:2015
- ISO45001:2018
- ISO50001:2018
- ISO14044:2006

CZJT-182M-16D1

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Mechanical Characteristics

| | |
|-----------|---|
| Model | 182mono-crystalline Bifacial solar cell CZJT-182M-16D1 |
| Dimension | 182.2mm×183.75mm±0.5mm, Φ256mm±0.5mm |
| Thickness | 130μm ±13 μm |
| Front | 16busbars,12pads,194fingers,busbar width 0.06mm ±0.03mm |
| Back | 16busbars,12pads,174fingers,busbar width 0.06mm ±0.03mm |

Temperature Coefficients

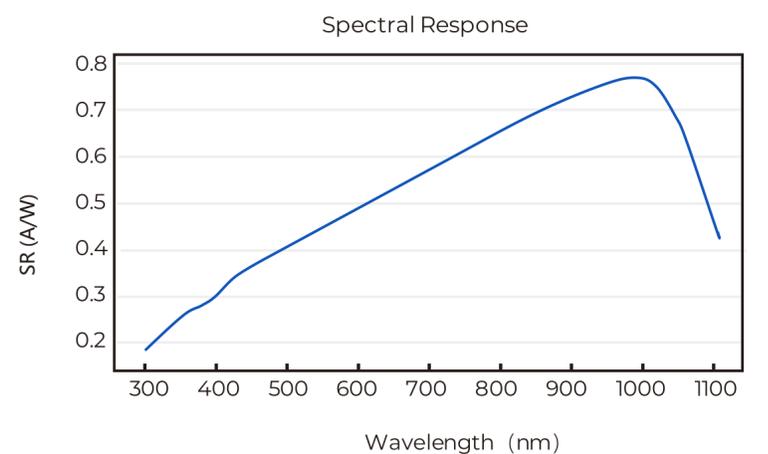
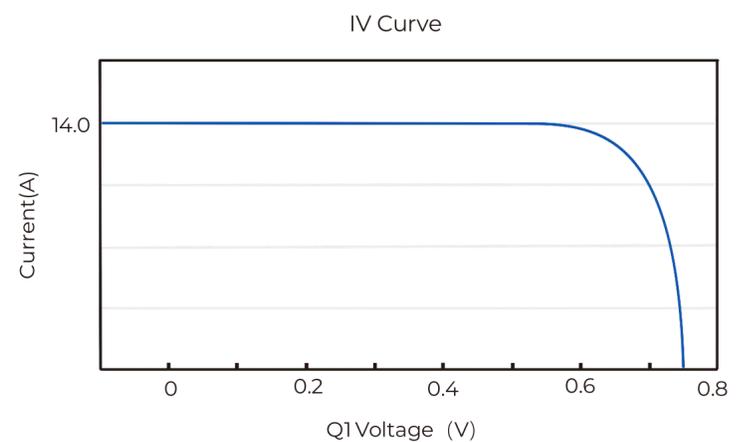
| | | |
|------------------------------|----------------------------|------------------------------|
| 0.045%/K TkCurrent | -0.30%/K TkPower | -0.25%/K TkVoltage |
|------------------------------|----------------------------|------------------------------|

Electrical Characteristics

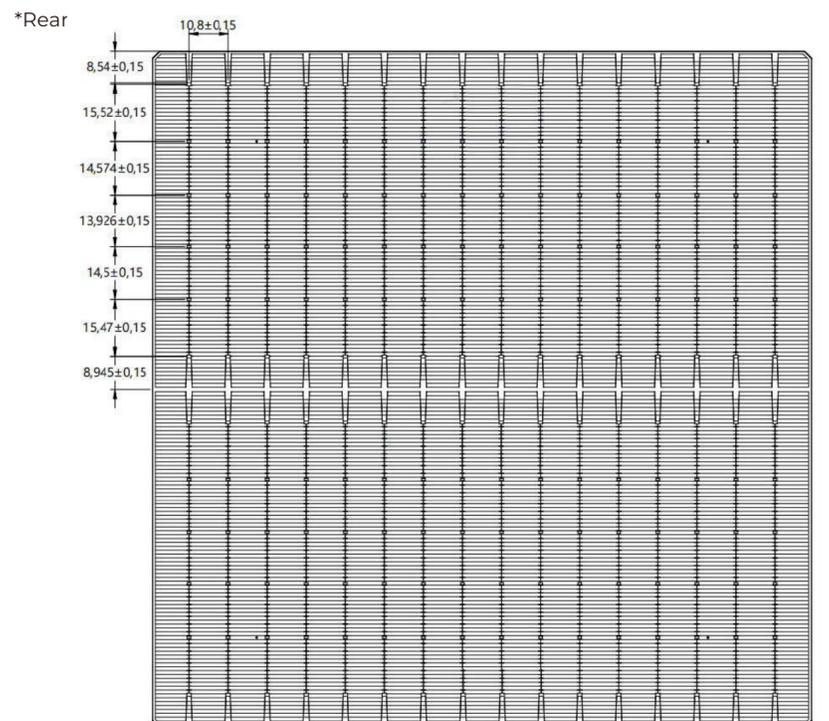
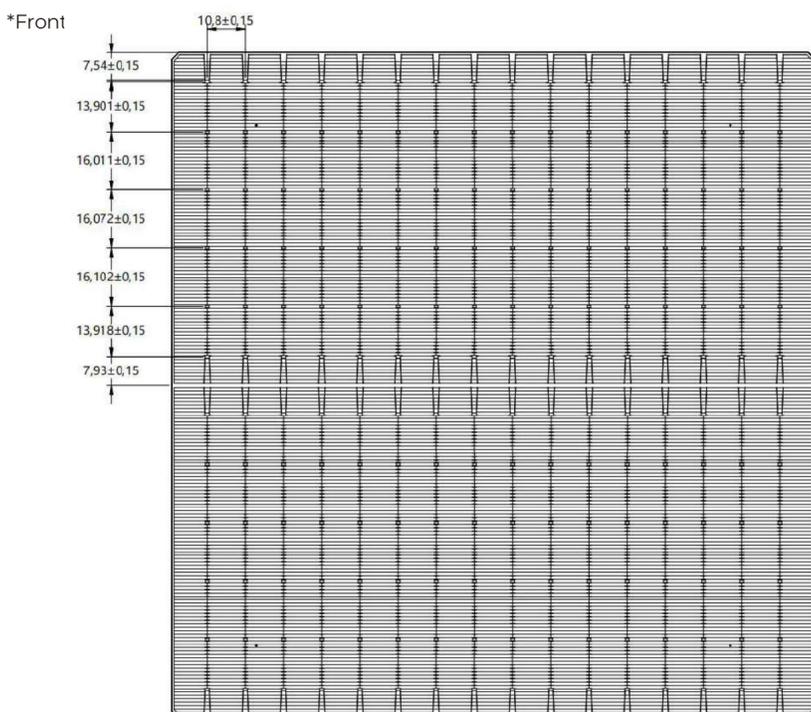
| Efficiency (%) | Power Pmpp (W) | Max. Power Voltage Vmpp (V) | Max. Power Current Imp (A) | Open Circuit Voltage Voc (V) | Short Circuit Current Isc (A) | Fill factor % |
|----------------|----------------|-----------------------------|----------------------------|------------------------------|-------------------------------|---------------|
| 26.0 | 8.70 | 0.652 | 13.352 | 0.731 | 14.067 | 84.67 |
| 25.9 | 8.67 | 0.649 | 13.350 | 0.730 | 14.064 | 84.47 |
| 25.8 | 8.64 | 0.647 | 13.345 | 0.729 | 14.059 | 84.29 |
| 25.7 | 8.60 | 0.645 | 13.338 | 0.728 | 14.052 | 84.12 |
| 25.6 | 8.57 | 0.643 | 13.335 | 0.727 | 14.043 | 83.96 |
| 25.5 | 8.54 | 0.640 | 13.329 | 0.726 | 14.026 | 83.82 |
| 25.4 | 8.50 | 0.639 | 13.299 | 0.726 | 14.014 | 83.58 |
| 25.3 | 8.47 | 0.637 | 13.285 | 0.725 | 14.002 | 83.46 |
| 25.2 | 8.43 | 0.635 | 13.281 | 0.724 | 13.994 | 83.28 |
| 25.1 | 8.40 | 0.634 | 13.242 | 0.722 | 13.977 | 83.20 |
| 25.0 | 8.37 | 0.633 | 13.220 | 0.722 | 13.967 | 83.02 |
| 24.9 | 8.33 | 0.632 | 13.186 | 0.721 | 13.947 | 82.87 |
| 24.8 | 8.30 | 0.631 | 13.150 | 0.721 | 13.933 | 82.67 |
| 24.7 | 8.27 | 0.631 | 13.106 | 0.720 | 13.917 | 82.54 |
| 24.6 | 8.23 | 0.630 | 13.063 | 0.719 | 13.883 | 82.47 |
| 24.5 | 8.20 | 0.630 | 13.025 | 0.719 | 13.864 | 82.32 |
| 24.4 | 8.17 | 0.628 | 13.006 | 0.718 | 13.831 | 82.25 |
| 24.3 | 8.13 | 0.628 | 12.960 | 0.718 | 13.822 | 82.01 |
| 24.2 | 8.10 | 0.627 | 12.919 | 0.716 | 13.808 | 81.92 |
| 24.1 | 8.07 | 0.626 | 12.886 | 0.715 | 13.796 | 81.74 |
| 24.0 | 8.03 | 0.625 | 12.860 | 0.715 | 13.766 | 81.67 |

* Standard Test Condition(STC):1000W/m²,AM 1.5G,25 °C /Solar Cell Efficiency Positive Tolerance /Specifications and data for reference only

Performance curve



Pattern



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