

# 250W

**Typical electrical characteristics**    ZA1ZDNY-250C    ZA1ZDNY-250CB    ZA1ZDNY-250C60    ZA1ZDNY-250CB60    ZA1ZDNY-250C72    ZA1ZDNY-250CB72

|  |        |        |        |        |
|--|--------|--------|--------|--------|
| Max. Power (PMax)                          | 250W   | 250W   | 250W   | 250W   |
| Optimum Operating Voltage(Vm)              | 60.58V | 37.85V | 37.85V | 44.00V |
| Optimum Operating Current(I <sub>m</sub> ) | 5.36A  | 8.40A  | 8.40A  | 7.96A  |
| Open-circuit Voltage (Voc)                 | 49.22V | 31.17V | 31.17V | 34.30V |
| Short-circuit Current (Isc)                | 5.08A  | 8.03A  | 8.03A  | 7.29A  |
| Cell Efficiency                            | 16.82% | 17.44% | 17.44% | 14.53% |

The specifications are obtained under the Standard Test Condition (STC): 1000W/m<sup>2</sup> solar irradiance, AM1.5, Cell Temperature 25°C.

## Mechanical Characteristics

|                           |                            |                             |                             |
|---------------------------|----------------------------|-----------------------------|-----------------------------|
| Solar Cell                | Mono-crystalline 125x125mm | Mono-crystalline 156x156 mm | Mono-crystalline 156x156 mm |
| Output Tolerance (PMax)   | 0~+3%                      | 0~+3%                       | 0~+3%                       |
| Number of Cells           | 96 cells in series         | 60 cells in series          | 72 cells in series          |
| Module Dimension          | 1580x1060x45mm             | 1650x992x45/40mm            | 1956x992x45                 |
| Weight                    | 17kg                       | 19.5/19kg                   | 23kg                        |
| Max. System Voltage       | 1000V(TUV)/600V(UL)        | 1000V(TUV)/600V(UL)         | 1000V(TUV)/600V(UL)         |
| Max. Series Fuse Rating   | 16A                        | 15A                         | 15A                         |
| Temperature Cycling Range | (-40~85°C)                 | (-40~85°C)                  | (-40~85°C)                  |

## Temperature Characteristics

|                                  |             |             |             |
|----------------------------------|-------------|-------------|-------------|
| NOTC                             | 47°C        | 47°C        | 47°C        |
| Temperature Coefficients of Isc  | (+0.06%/°C) | (+0.06%/°C) | (+0.06%/°C) |
| Temperature Coefficients of Voc  | (-0.35%/°C) | (-0.35%/°C) | (-0.35%/°C) |
| Temperature Coefficients of PMax | (-0.4%/°C)  | (-0.4%/°C)  | (-0.4%/°C)  |

## Packing Configuration

|               |                              |                                      |                              |
|---------------|------------------------------|--------------------------------------|------------------------------|
| Load Capacity | 258pcs/20'GP<br>644pcs/40'HQ | 267/285pcs/20'GP<br>672/756pcs/40'HQ | 210pcs/20'GP<br>550pcs/40'HQ |
|---------------|------------------------------|--------------------------------------|------------------------------|

