# 2010w-220w <br> Monocrystalline silicon Light weight flexible solar panel 

## Key Features

## Lightweight

Optimized composite materials, $60 \%$ lighter at the same power

## Flexible

Special manufacturing process and materials provide bending ability
Excellent Appearance and Performance
Esthetics module design, no flare effect, "0" risk of micro crack

Easy transportation and installation
Original design making it far less costly for transportation and installation

Customization
Customization for various senarios, high additional value

## Superior Low Irradiance Performance

Excellent low irradiance performance, increase power generation in low-light conditions like mornings, evenings and cloudy days

Quality system: ISO 9001: 2005
CE ROHS

Linear Performance Warranty


Leading product and power warranty
12 Materials and workmanship warranty
25 Linear power warranty

The size of module


Characteristic Curves


Electrical Characteristics

| ITEM | PURES-210W | PURES-215W | PURES-220W |
| :--- | :---: | :---: | :---: |
| Maximum Power (Pmax ) | 210 W | 215 W | 220 W |
| Maximum Power Voltage (Vmp) | 16.2 V | 16.3 V | 16.4 V |
| Maximum Power Current(Imp ) | 13.1 A | 13.3 A | 13.5 A |
| Open-circuit Voltage (Voc) | 19.4 V | 19.5 V | 19.6 V |
| Short-circuit Current(Isc) | 13.7 A | 13.9 A | 14.2 A |
| Module Efficiency(\%) | $19.26 \%$ | $19.72 \%$ | $20.18 \%$ |
| Operating Temperature |  | $-40{ }^{\circ} \mathrm{C}$ to $85{ }^{\circ} \mathrm{C}$ |  |
| Maximum System Voltage | 600 VDC |  |  |
| Maximum Series Fuse Rating | 15 A |  |  |
| Application Cla ss | Class A |  |  |
| Power Tolerance | $0 \sim+5 \mathrm{~W}$ |  |  |
| STC:Iradiance 1000W/m ${ }^{2}$, module temperature $25^{\circ} \mathrm{C}$, AM $=1.5$ |  |  |  |

Mechanical Characteristics

| Solar Cell | Monocrystalline sillicon cell |
| :--- | :---: |
| Cell Size | $182 \times 91 \mathrm{~mm}$ |
| No. of cells | 56 |
| Module Dimensions | $\mathrm{L}: 1380 * \mathrm{~W}: 790 * \mathrm{H}: 3 \mathrm{~mm}$ |
| Weight | White PV Backsheet |
| Backsheet | IP 67 |
| J-Box | $4.4 \mathrm{~kg}: 18 \mathrm{~mm}(\mathrm{~J}-\mathrm{Box}$ included $)$ |
| Output cables | $(+) /(-) 300 \mathrm{~mm}$ |
| Cable length | $\mathrm{MC4}$ compatible |
| Connector |  |

Temperature Characteristics

| NOCT(Nominal Operating Cell Temperature) | $41 \pm 2{ }^{\circ} \mathrm{C}$ |
| :--- | :---: |
| Temperature Coefficient of Pmax | $-0.38 \% /{ }^{\circ} \mathrm{C}$ |
| Temperature Coefficient of Voc | $-0.28 \% /{ }^{\circ} \mathrm{C}$ |
| Temperature Coefficient of Isc | $0.020 \% /{ }^{\circ} \mathrm{C}$ |

## Packaging

| Container | $20^{\prime} \mathrm{GP}$ | $40^{\prime} \mathrm{HQ}$ |
| :--- | :---: | :---: |
| Pieces per pallet | 70 | 70 |
| Pieces per container | 980 | 2100 |

