

# MONO PERC

## 210~225W VE-210~225-36M



### Electrical Performance

| Module Type                               | VE-210-36M | VE-215-36M | VE-220-36M | VE-225-36M |
|-------------------------------------------|------------|------------|------------|------------|
| Maximum Power at STC (Pmax)               | 210Wp      | 215Wp      | 220Wp      | 225Wp      |
| Maximum Power Voltage (Vmp)               | 20.25V     | 20.56V     | 20.87V     | 21.18V     |
| Maximum Power Current (Imp)               | 10.37A     | 10.46A     | 10.54A     | 10.62A     |
| Open-circuit Voltage (Voc)                | 24.62V     | 24.62V     | 24.95V     | 25.28V     |
| Short-circuit Current (Isc)               | 11.19A     | 11.26A     | 11.34A     | 11.42A     |
| Cell Efficiency(%)                        | 22.2%      | 22.6%      | 23.1%      | 23.5%      |
| Module Efficiency(%)                      | 18.58%     | 19.02%     | 19.46%     | 19.90%     |
| Operating Temperature(°C)                 | -40°C+85°C |            |            |            |
| Maximum system voltage                    | 1500V DC   |            |            |            |
| Maximum rated current series              | 15A        |            |            |            |
| Power tolerance                           | 0~+5W      |            |            |            |
| Temperature coefficients of Pmax          | -0.42%/°C  |            |            |            |
| Temperature coefficients of Voc           | -0.34%/°C  |            |            |            |
| Temperature coefficients of Isc           | +0.061%/°C |            |            |            |
| Nominal operating cell temperature (NOCT) | 46±2°C     |            |            |            |

STC: Irradiance 1000 W/m<sup>2</sup>; Module temperature: 25°C; AM=1.5

### Machanical Characteristics

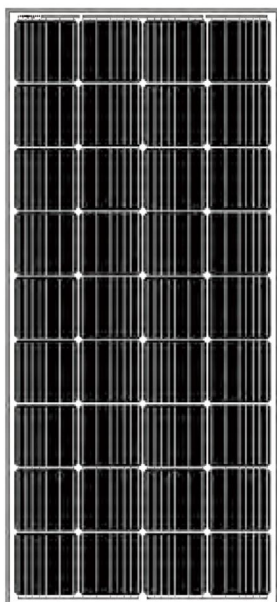
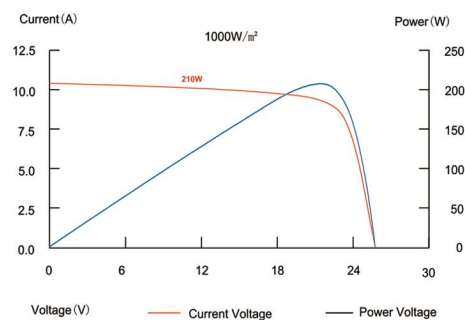
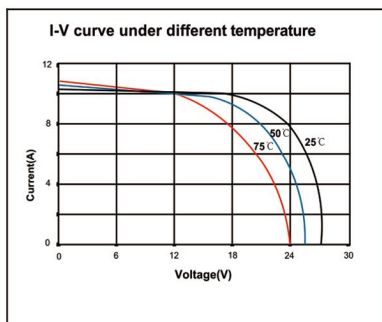
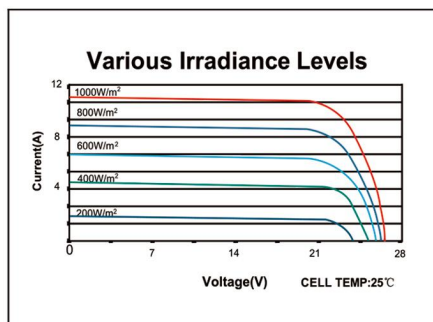
|                                 |                                                     |
|---------------------------------|-----------------------------------------------------|
| Cell Type (mm) Mono-crystalline | 166x166                                             |
| No. of cells                    | 36 (4x9)                                            |
| Dimension (mm)                  | 1570x720x35                                         |
| Weight                          | 14.0kg                                              |
| Front Glass                     | 3.2 mm, High Transmission, Low Iron, Tempered Glass |
| Frame                           | Anodized Aluminium Alloy                            |
| Junction Box                    | IP68 Rated                                          |
| Output Cables                   | UL 12AWG/TUV 1x4.0 mm <sup>2</sup> , Length:900mm   |

### Standard Packaging

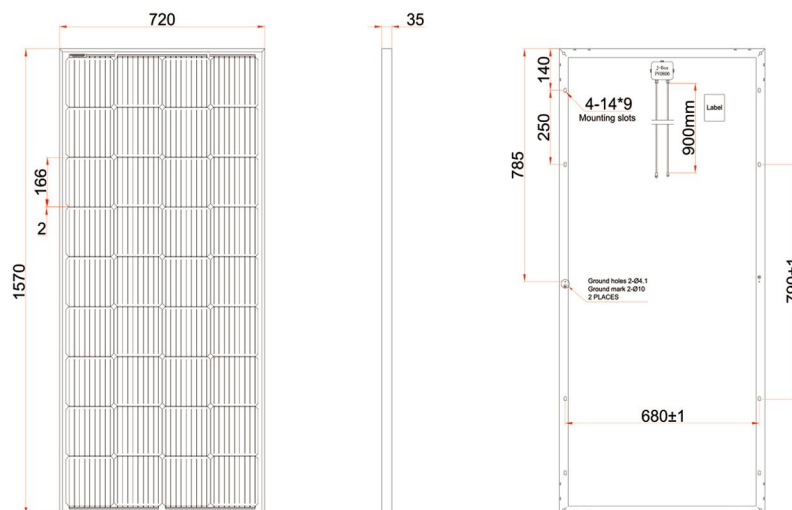
|                 |              |
|-----------------|--------------|
| Quantity/Carton | 4 pcs/pallet |
| 20'GP           | 540 pcs      |
| 40'HC           | 1308 pcs     |

### Performance

|          |                                                             |
|----------|-------------------------------------------------------------|
| Warranty | 90% power output over 12 years                              |
|          | 80% power output over 25 years                              |
|          | Free from defects in materials and workmanship for 10 years |



### Engineering Drawings



### AIDU ENERGY PTE.LTD.

275 Tampines St 22 #03-98 Singapore 520275.  
 sales@aiduenergy.com  
 www.aiduenergy.com

### VENUS ENERGY (CAMBODIA) CO., LTD.

Lot P1-21 22, National Road No.4, Phnom Penh Special Economic Zone,  
 Kamrieng Village, Sangkat Kantaok, Khan Kambol, Phnom Penh, Cambodia