

# SOLAR PANEL



**30 YEARS PANEL  
WARRANTY**



**95% SAVING ON  
ELECTRICITY EXPENSES**



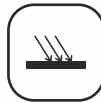
Ip68 Junction Box For High  
Waterproof level



LCOE Is Cut Back by using M10 size solar cell  
with adding more power output than lower  
size cell module



Field Reliability is improved due to multiple  
contact points on the cell which lowers the  
cell stress during module fabrication



AR Coated Tempered Glass Anti-  
Reflective Module Surface



Excellent Module Efficiency



Pre and Post EL Checking to ensure  
defect free module



Excellent module conversion  
efficiency of up to 21.3%

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| Mono c-Si PERC, Shingled cells, 210 mm., 1500V., 46F-cell |                                  |           | SU46C-F-420                                         |       | SU46C-F-425 |       | SU46C-F-430 |       | SU46C-F-435 |       | SU46C-F-440 |       | SU46C-F-445 |       |
|-----------------------------------------------------------|----------------------------------|-----------|-----------------------------------------------------|-------|-------------|-------|-------------|-------|-------------|-------|-------------|-------|-------------|-------|
| Energistra                                                |                                  |           | STC                                                 | NOCT  | STC         | NOCT  | STC         | NOCT  | STC         | NOCT  | STC         | NOCT  | STC         | NOCT  |
| 功率                                                        | NominalMax.Power                 | Pmax (Wp) | 420                                                 | 316   | 425         | 320   | 430         | 324   | 435         | 328   | 440         | 331   | 445         | 335   |
| 最佳工作电压                                                    | Maximum Power Voltage            | Vmp (V)   | 35.90                                               | 34.20 | 36.00       | 34.30 | 36.10       | 34.40 | 36.20       | 34.50 | 36.30       | 34.60 | 36.40       | 34.70 |
| 最佳工作电流                                                    | Maximum Power Current            | Imp (A)   | 11.71                                               | 9.24  | 11.81       | 9.32  | 11.92       | 9.41  | 12.02       | 9.49  | 12.13       | 9.57  | 12.23       | 9.66  |
| 开路电压                                                      | Open-Circuit Voltage             | Voc (V)   | 43.30                                               | 41.30 | 43.40       | 41.40 | 43.50       | 41.50 | 43.60       | 41.60 | 43.70       | 41.70 | 43.80       | 41.80 |
| 短路电流                                                      | Short-Circuit Current            | Isc (A)   | 12.46                                               | 10.05 | 12.56       | 10.14 | 12.68       | 10.23 | 12.79       | 10.32 | 12.90       | 10.41 | 13.01       | 10.50 |
| 组件效率                                                      | Module efficiency                | (%)       | 20.20                                               |       | 20.40       |       | 20.70       |       | 20.90       |       | 21.10       |       | 21.40       |       |
| 功率误差                                                      | Power Tolerance                  | Pmax (Wp) | 0~+5                                                |       |             |       |             |       |             |       |             |       |             |       |
| 最大系统电压                                                    | Maximum System Voltage DC        | (V)       | 1500                                                |       |             |       |             |       |             |       |             |       |             |       |
| 最大额定熔断电流                                                  | Maximum Series Fuse Rating       | (A)       | 25                                                  |       |             |       |             |       |             |       |             |       |             |       |
| 工作温度范围                                                    | Operating temperature            | (°C)      | -40~+85                                             |       |             |       |             |       |             |       |             |       |             |       |
| 最大功率/温度系数                                                 | Temp. coefficients of Pmax       | (%/°C)    | -0.34                                               |       |             |       |             |       |             |       |             |       |             |       |
| 开路电压/温度系数                                                 | Temp. coefficients of Voc        | (%/°C)    | -0.27                                               |       |             |       |             |       |             |       |             |       |             |       |
| 短路电流/温度系数                                                 | Temp. coefficients of Isc        | (%/°C)    | 0.04                                                |       |             |       |             |       |             |       |             |       |             |       |
| 名义电池工作温度                                                  | Nom. Operating cell temp. (NOCT) | (°C)      | 42.3±2                                              |       |             |       |             |       |             |       |             |       |             |       |
| 电池种类                                                      | Cell Type                        |           | 210mm                                               |       |             |       |             |       |             |       |             |       |             |       |
| 组件尺寸                                                      | Dimensions                       |           | 1899*1096*30mm                                      |       |             |       |             |       |             |       |             |       |             |       |
| 组件重量                                                      | Weight                           |           | 21.8 kg                                             |       |             |       |             |       |             |       |             |       |             |       |
| 接线盒                                                       | Junction Box                     |           | IP68, 2 Bypass Diodes                               |       |             |       |             |       |             |       |             |       |             |       |
| 线长                                                        | Output Cable                     |           | +300mm/-1000mm(Vertical), +220mm/-180mm(Horizontal) |       |             |       |             |       |             |       |             |       |             |       |
| 连接器种类                                                     | Connector Type                   |           | PV Connector                                        |       |             |       |             |       |             |       |             |       |             |       |
| 抗冰雹能力                                                     | Hail Resistance                  |           | distance 1m,Hail stone Diameter 25mm,Speed 23m/s    |       |             |       |             |       |             |       |             |       |             |       |
| 风压负载                                                      | Wind Load                        |           | 2400 Pa / 244 kg/ m²                                |       |             |       |             |       |             |       |             |       |             |       |
| 机械负载                                                      | Mechanical Load                  |           | 5400 Pa / 550 kg/ m²                                |       |             |       |             |       |             |       |             |       |             |       |
| 大托所含数量                                                    | Packing Configuration            |           | 36/72                                               |       |             |       |             |       |             |       |             |       |             |       |
| 40大柜装箱数量                                                  | Loading Capacity (40HQ)          |           | 864                                                 |       |             |       |             |       |             |       |             |       |             |       |
| 大托尺寸                                                      | Size / Pallet (mm)               |           | 1916*1125*1230/1916*1125*2460                       |       |             |       |             |       |             |       |             |       |             |       |
| 大托重量                                                      | Weight / Pallet                  |           | 825/1650                                            |       |             |       |             |       |             |       |             |       |             |       |