

# **PHOTOVOLTAIC MODULE 36CELLS**

NE150-18P / NE160-18P / NE170-18P

# **KEY FEATURES**



### **Positive Power Tolerance**

Bring additional electricity to customers



### **Durability against extreme environmental conditions**

High salt mist and ammonia resistance certified by TUV



### **High Efficiency**

Higher module conversion efficiency achieved through advanced manufacturing technology



### **Severe Weather Resilience**

Wind load(2400Pa) Snow load(5400Pa)

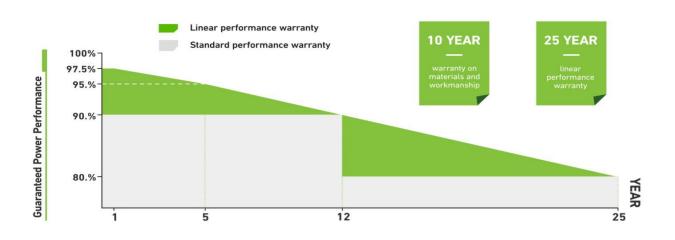


### **Low-Light Performance**

Advanced glass and solar cell surface texturing allow for excellent performance in low-light environments.



# **MODULE FEATURES AND WARRANTY**





# **Electrical Characteristics**

| Model  | NE150-18P | NE160-18P  | NE170-18P |  |
|--|-----------|------------|-----------|--|
| Maximum Power at STC(Pmax)                               | 150       | 160        | 170       |  |
| Optimum Operating Voltage (Vmp)                          | 17.80V    | 18.21V     | 18.40V    |  |
| Optimum Operating Current (Imp)                          | 8.43A     | 8.79A      | 9.15A     |  |
| Open-Circuit Voltage (Voc)                               | 22.32V    | 22.39V     | 22.46V    |  |
| Short-Circuit Current (Isc)                              | 8.96A     | 9.53A      | 10.10A    |  |
| Solar Cell Efficiency (%)                                | 17.46     | 18.63      | 19.79     |  |
| Solar Module Efficiency (%)                              | 15.06     | 16.06      | 17.15     |  |
| Operating Temperature                                    |           | -40 to 85℃ |           |  |
| Maximum System Voltage                                   | DC1000    |            |           |  |
| Maximum Series Fuse Rating                               |           | 15A        |           |  |
| Power Tolerance  |           | 0~+3%      |           |  |
| CTC.lmadianaa 1000\N/m² Madulaa Taranaratura 25°0 AM-1.5 |           |            |           |  |

STC:Irradiance 1000W/m²,Modules Temperature 25  $^{\circ}\text{C}$  ,AM=1.5

## **Temperature Coefficient and Mechanical Characteristics**

| Nominal Operating Cell Temperature (NOCT) |                            | 47°C+/-2°C |  |
|---|----------------------------|------------|--|
| Temperature Coefficient of Pmax           |                            | -0.45%/℃   |  |
| Temperature Coefficient of VOC            |                            | -0.32%/℃   |  |
| Temperature Coefficient of ISC            |                            | +0.05%/℃   |  |
| Solar cell                                | Poly156*156mm              |            |  |
| No.of cells                               | 36(4X9)                    |            |  |
| Dimensions                                | 1480mm*670mm*35mm          |            |  |
| Weight                                    | 12.00kg                    |            |  |
| Front glass                               | 3.2mm tempered glass       |            |  |
| Frame                                     | Anodized aluminium alloy   |            |  |
| Junction box                              | IP Rating <u>&gt;</u> IP67 |            |  |
| Connector                                 | MC4 or compatible          |            |  |
| Output cables                             | PV 4.0mm²,0.9m             |            |  |
| Packing                                   | Wooden Pallet              |            |  |
| 1*20'                                     | 490 pcs                    |            |  |
| 1*40'HQ                                   | 1260 pcs                   |            |  |

# 1480

# **IV-Curves**

