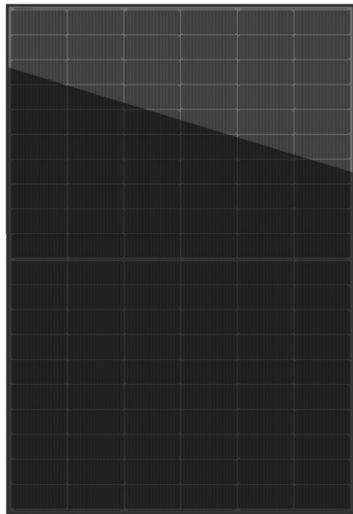


# HT60-18X(ND)-F

Double Glass TOPCon PV Module

**HIGH** High power

**485W/490W**  
**495W/500W/505W**



- Module Efficiency 23.3%
- No. of Cells 120(6×20)
- Weight 26.5(±0.5)kg
- Dimensions 1909×1134×30mm
- Bifaciality 80(±5)%


**SCANOFFICE**  
**SOLAR**

Juvanmalmintie 11

02970 Espoo

info@scanoffice.fi

www.scanoffice.fi



Half cut cell technology can reduce the internal power loss and improve module overall power. Excellent heat dissipation avoids hot spot production.

**15Ys**

Products warranty

**30Ys**

Warranty on power output

**EL**

Microcrack resistant  
Double glass structure enhance reliability,  
double EL tested of high quality control.



Entire module certified to with stand extreme wind(2400 Pa) and snow loads (5400 Pa)

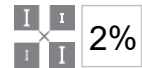
**TOPCon**

Double glass, The optimized number and width of main gate lines, Maximize the light receiving area of modules and Reduce module power consumption.



1500V

Designed for high voltage systems of up to 1500 VDC, increasing the string length of solar systems and saving on BoS costs.



2%

All the modules are sorted and packaged by amperage, reducing mismatch losses and maximizing system output.

**0~+3%**

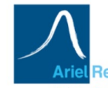
Positive tolerance  
0~+3% guaranteed

Anti **PID**

PID resistant

**Comprehensive and first-rate certification system**

IEC 61215, IEC 61730 Latest Standard  
SA 8000, ISO 9001, ISO 14001 and ISO 45001  
meeting the highest international standards  
Strict quality control

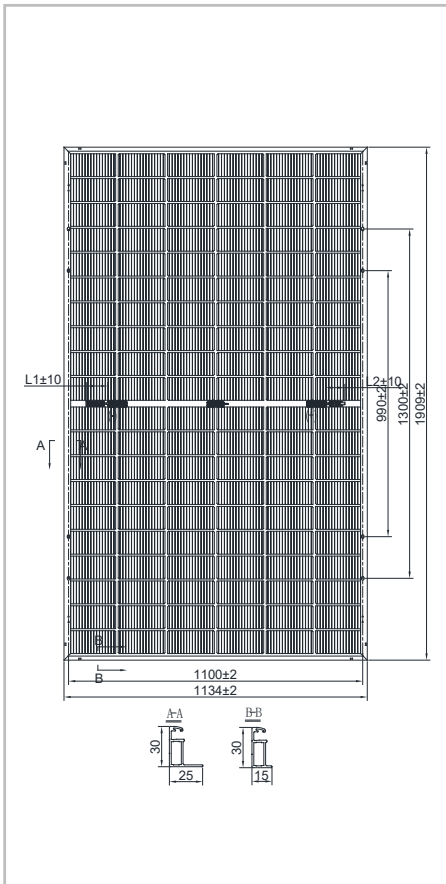


MULTIWAY+

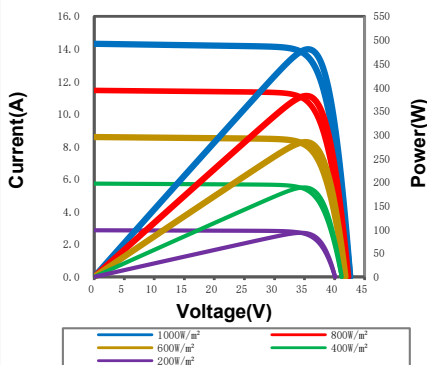
Better Choice For Higher Efficiency!

HT60-18X(ND)-F

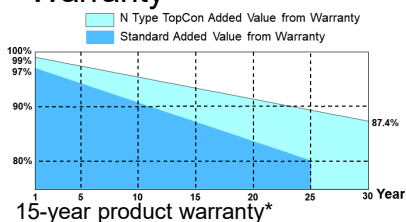
485W/490W/495W/500W/505W



### • IV Curves



### • Warranty



30-year warranty on power output\*

\* Specific information is referred to the product quality guarantee

### Electrical Characteristics (STC)

| Module Type                | HT60-18X(ND)-F |        |        |        |        |
|----------------------------|----------------|--------|--------|--------|--------|
| Maximum Power(Pmax)        | 485W           | 490W   | 495W   | 500W   | 505W   |
| Open Circuit Voltage(Voc)  | 42.7V          | 42.9V  | 43.1V  | 43.3V  | 43.5V  |
| Short Circuit Current(Isc) | 14.39A         | 14.47A | 14.55A | 14.63A | 14.71A |
| Maximum Power Voltage(Vmp) | 35.8V          | 36.0V  | 36.2V  | 36.4V  | 36.6V  |
| Maximum Power Current(Imp) | 13.56A         | 13.63A | 13.69A | 13.75A | 13.81A |
| Module Efficiency          | 22.4%          | 22.6%  | 22.9%  | 23.1%  | 23.3%  |
| Power Tolerance            | 0 ~ +3%        |        |        |        |        |
| Maximum System Voltage     | 1500V DC(IEC)  |        |        |        |        |
| Maximum Series Fuse Rating | 25A            |        |        |        |        |
| Operating Temperature      | -40°C to +85°C |        |        |        |        |

\* STC: AM 1.5, Irradiance 1000W/m², module temperature 25°C

### Electrical Characteristics (NMOT)

| Module Type                | HT60-18X(ND)-F |        |        |        |        |
|----------------------------|----------------|--------|--------|--------|--------|
| Maximum Power(Pmax)        | 369W           | 373W   | 376W   | 380W   | 384W   |
| Open Circuit Voltage(Voc)  | 41.0V          | 41.2V  | 41.4V  | 41.6V  | 41.8V  |
| Short Circuit Current(Isc) | 11.60A         | 11.66A | 11.73A | 11.79A | 11.85A |
| Maximum Power Voltage(Vmp) | 34.4V          | 34.6V  | 34.8V  | 34.9V  | 35.1V  |
| Maximum Power Current(Imp) | 10.73A         | 10.78A | 10.80A | 10.89A | 10.94A |

\* NMOT: Irradiance 800W/m², ambient temperature 20°C, wind speed 1m/s

### Bifacial output-rearside power gain

|     |                     |       |       |       |       |       |
|-----|---------------------|-------|-------|-------|-------|-------|
| 5%  | Maximum Power(Pmax) | 509W  | 515W  | 520W  | 525W  | 530W  |
|     | Module Efficiency   | 23.5% | 23.8% | 24.0% | 24.3% | 24.5% |
| 15% | Maximum Power(Pmax) | 558W  | 564W  | 569W  | 575W  | 581W  |
|     | Module Efficiency   | 25.8% | 26.0% | 26.3% | 26.6% | 26.8% |
| 25% | Maximum Power(Pmax) | 606W  | 613W  | 619W  | 625W  | 631W  |
|     | Module Efficiency   | 28.0% | 28.3% | 28.6% | 28.9% | 29.2% |

Nominal Module Operating Temperature(NMOT) 43±2°C

|                                 |         |           |
|---------------------------------|---------|-----------|
| Temperature Coefficient of Pmax | γ (Pm)  | -0.29%/°C |
| Temperature Coefficient of Voc  | β (Voc) | -0.25%/°C |
| Temperature Coefficient of Isc  | α (Isc) | 0.046%/°C |

|                         |                                                                 |
|-------------------------|-----------------------------------------------------------------|
| Solar Cells             | Monocrystalline                                                 |
| No. of Cells            | 120 (6×20)                                                      |
| Dimensions              | 1909×1134×30mm                                                  |
| Weight                  | 26.5 (±0.5) kg                                                  |
| Glass (Front /Back)     | High transmission coated tempered glass/Heat strengthened glass |
| Frame                   | Anodized aluminum alloy                                         |
| Junction Box            | IP68                                                            |
| Cable                   | 4mm² (IEC) Length: (+) 1200mm, (-) 1200mm                       |
| Connectors              | Stäubli MC4 EVO2                                                |
| Packaging Configuration | 36 pcs/box: 864 pcs/ 40' HQ Container                           |

\*The module recycling should be carried out by the professional institutions at the end of module life cycle

\*Copyright@2024V4 Specifications are subject to change without further notification

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