



580W/585W/590W/595W/600W RE72-18X(ND)-F Double Glass

High Efficiency Lower LID and N-type cell with Half-cut Technology
Cell Size: 182×91.875mm Monocrystalline



10-30% Additional Power Generation

10-30% additional power generation comparing with conventional P-type module



Lower LID (Light Induced Degradation)

N-type modules with technology offer lower LID/LeTID degradation and better low light performance



Lower LCOE

Higher power output and lower BOS cost



Better Weak Illumination Response

Higher power output even under low-light environment



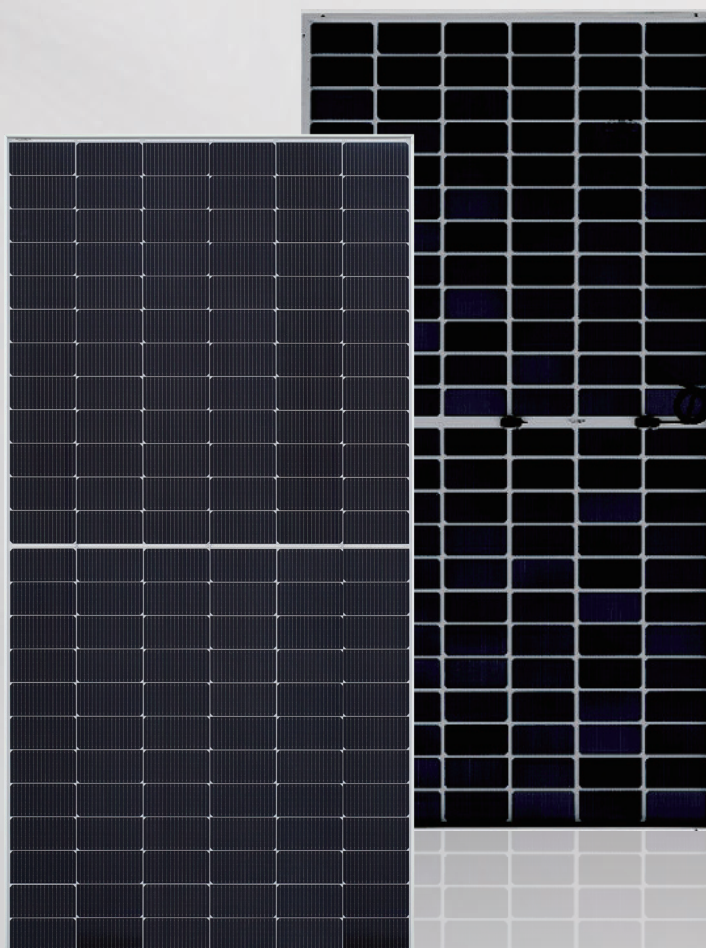
Better Temperature Coefficient

Higher power generation under normal working conditions



Enhanced Mechanical Load

Certified to withstand: wind load (2400 Pascal) and snow load (5400 Pascal)



Module Efficiency	No. of Cells	Weight	Dimensions
23.2%	144(6×24)	32.5±0.5kg	2278×1134×35mm

Rivulet Energy Corp.
www.rivuletsolar.com

Electrical Characteristics

Module	RE72-18X(ND)-F Double Glass				
Maximum Power at STC (Pmax)	580W	585W	590W	595W	600W
Open - Circuit Voltage (Voc)	51.30V	51.50V	51.70V	51.85V	52.00V
Short - Circuit Current (Isc)	14.39A	14.47A	14.55A	14.62A	14.70A
Optimum Operating Voltage (Vmp)	43.10V	43.30V	43.50V	43.55V	43.70V
Optimum Operating Current (Imp)	13.47A	13.53A	13.59A	13.67A	13.73A
Module Efficiency	22.5%	22.6%	22.8%	23.0%	23.2%
Power Tolerance	0 ~+3%				
Maximum System Voltage	1500V DC (UL / IEC)				
Maximum Series Fuse Rating	25A				
Operating Temperature	-40°C to +85 °C				

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

Optional black frame or white frame module according to customer requirements.

NMOT

Module	RE72-18X(ND)-F Double Glass (Bifaciality 80±10%)				
Maximum Power	441W	445W	449W	453W	457W
Open - Circuit Voltage (Voc)	49.20V	49.40V	49.60V	49.80V	50.00V
Short - Circuit Current (Isc)	11.60A	11.66A	11.73A	11.79A	11.86A
Optimum Operating Voltage (Vmp)	41.40V	41.60V	41.70V	41.90V	42.10V
Optimum Operating Current (Imp)	10.65A	10.70A	10.77A	10.82A	10.89A
NMOT	45±2°C				

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

Mechanical Characteristics

Module	RE72-18X(ND)-F Double Glass
Solar Cells	Monocrystalline 182 × 91.875mm
No. of Cells	144(6×24)
Dimensions	2278×1134×35mm
Weight	32.5±0.5kg
Front Glass	High transmission tempered glass; thickness; 2.0mm
Frame	Anodized aluminium alloy
Junction Box	IP68
Cable	4mm² (UL / IEC); Lenght: ±400mm; (-)200mm / customized length
Connectors	MC4-EVO2/MC4 Compatible
FireType	Type 29
Packaging Configuration	31pcs / box, 620pcs / 40'HQ container

Temperature Characteristics

Module	RE72-18X(ND)-F Double Glass
Temperature Coefficient of Pmax	-0.29%/°C
Temperature Coefficient of Voc	-0.23%/°C
Temperature Coefficient of Isc	+0.046%/°C

15-year
product warranty

30-year
power output warranty

Specific information is referred to the product quality guarantee

