

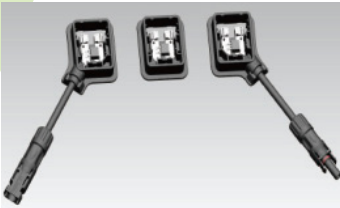
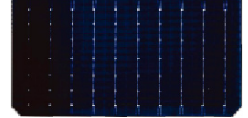
PEAK POWER (Pmax)

400W

CELL SIZE

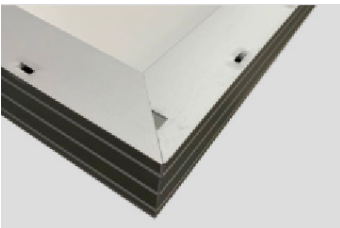
182 x 91 mm

10BB



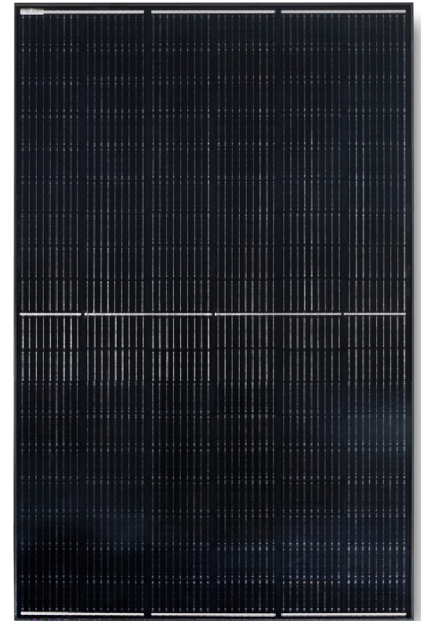
JUNCTION BOX

Waterproof protection grade: IP67/IP68
Safety Level: Class II
Maximum System Voltage: 1500V
Outstanding waterproof level
Effectively resist harsh environments

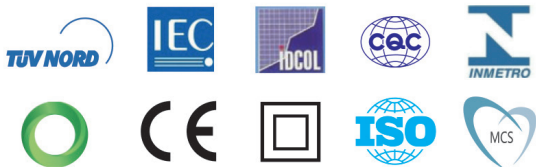


FRAME

Strong machanical load
Resistance up to 5400 Pa
Anodic oxidation layer resistant to chemical corrosion available in silver and black

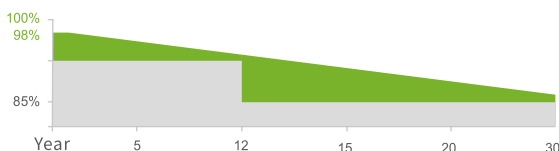


QUALITIES AND CERTIFICATES



• IEC61215 / • IEC61730

WARRANTY



12
YEARS

Guarantee on product material and workmanship

30
YEARS

Linear Power output warranty



HALF-CUT TECHNOLOGY

New circuit design, lower internal current and lower internal resistance loss



SIGNIFICANTLY AVOIDING HEAT SPOT

The unique circuit design to reduce the temperature of heat spot significantly, so that to reduce the power loss and then increase the output of modules



LOWER COST

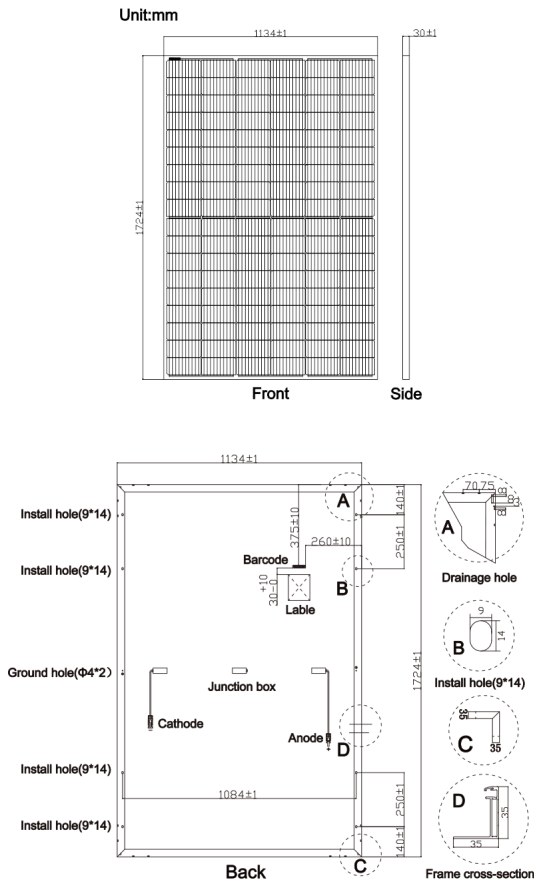
Increasing power generation can reduce the cost per kilowatt-hour

PID

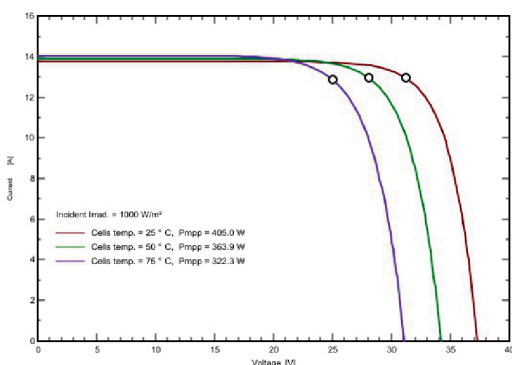
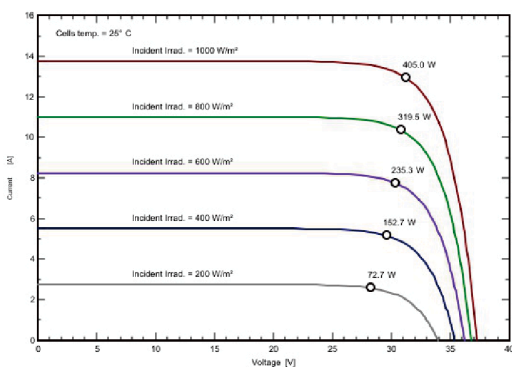
EXCELLENT PERFORMANCE OF PID RESISTANCE

The performance of PID resistance (Potential Induced Degradation) passed the standard of TÜV Nord

PV DRAWINGS



IV CURVE 400W



ELECTRICAL DATA (STC)

Model Type	ST400-27V-MHB
Peak Power (Pmax)	400.00
Maximum Power Voltage (Vmp)	31.14
Maximum Power Current (Imp)	12.85
Open Circuit Voltage (Voc)	37.05 ± 3%
Short Circuit Current (Isc)	13.67 ± 3%
Modul Efficiency (%)	20.46

* STC: irradiance 1000W/m², AM 1.5 and cell temperature of 25°C

ELECTRICAL DATA (NOCT)

Model Type	ST400-27V-MHB
Peak Power (Pmax)	297.40
Maximum Power Voltage (Vmp)	28.88
Maximum Power Current (Imp)	10.30
Open Circuit Voltage (Voc)	34.69 ± 3%
Short Circuit Current (Isc)	11.00 ± 3%

* NOCT: irradiance 800W/m², AM 1.5, ambient temperature 20°C, wind speed 1 m/s

TEMPERATURE & MAXIMUM RATING

Maximum System Voltage (V)	1500 V
Maximum Series Fuse Rating (A)	25 A
Power Tolerance	0 ~+ 3 W
Pmax Temperature Coefficients (W/°C)	-0.350 %/°C
Voc Temperature Coefficients (V/°C)	-0.285 %/°C
Isc Temperature Coefficients (A/°C)	+0.045 %/°C
NOCT Nominal Operating Cell Temperature (°C)	45 ± 2% °C
Operating and Storage Temperature (°C)	-40 ~+ 85 °C

MECHANICAL CHARACTERISTICS

Cell Type	182*91 Black Mono
No. of Cells	108 (12*9)
Dimensions	1724 x 1134 x 30 mm
Weight	21.50 kg
Front Glass	3.2 mm high transmission, low iron, tempered glass
Frame	Anodized Aluminium Alloy
Junction box	IP67/IP68 3diodes
Output cables	4 mm² cable 55 cm (including MC4 connector)
MaxWind Load/Snow Load	2400pa/5400Pa

PACKING WAY

20 FT container	6 Packages/222pcs
40 HQ container	26 Packages/962pcs

STROXX ENERGY

powered by
Meesenburg
est. 1758

Tel.: +49 461 5808 1620 | info@stroxxenergy.com

Westerallee 162 | 24941 Flensburg

www.stroxxenergy.com