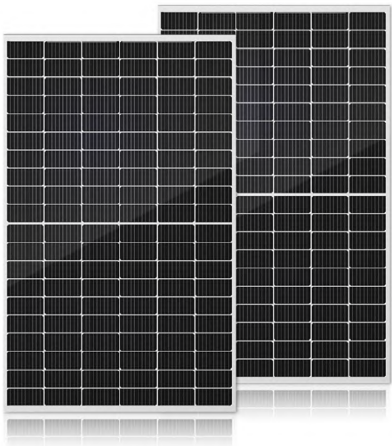


166M HALF CELL

360W-370W

- **Outstanding mechanical load resistance**
2400 Pa wind load, 5400 Pa snow load
- **Anti-PID(potential induced degradation)**
Passed anti-PID test under 85% damp heat, 85% relative humidity for 96 hours
- **Great Durability against extreme conditions**
Passed salt mist corrosion test, ammonia corrosion test, dust&sand test, fire test, all certified by TUV
- **Double electroluminescence (EL) tests**
Carefully inspected before and after lamination to guarantee fault-free modules



ELECTRICAL PERFORMANCE

Model Type	ST-370W		ST-380W	
Dimensions (L / W / H)	1755×1038×35		1755×1038×35	
	STC	NOCT	STC	NOCT
Peak Power at STC (Pmax)	370	276	370	284
Maximum Power Voltage (Vmp)	34.40	32.00	34.80	32.40
Maximum Power Current (Imp)	10.76	8.63	10.92	8.76
Open Circuit Voltage (Voc)	40.9±3%	38.3±3%	41.3±3%	38.7±3%
Short Circuit Current (Isc)	11.52±3%	9.32±3%	11.69±3%	9.45±3%
Module Efficiency(%)	20.31		20.85	

THERMAL CHARACTERISTICS & OPERATING CONDITIONS

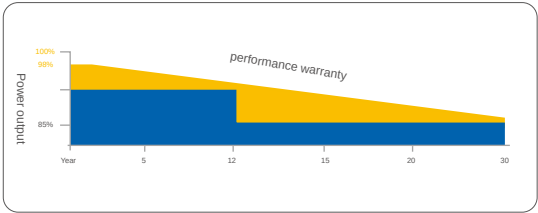
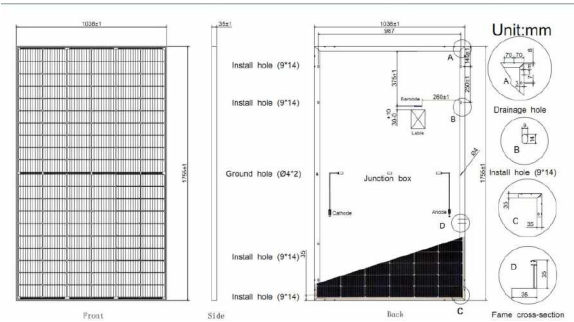
Maximum System Voltage(V)	1500/1000V
Maximum Series Fuse Rating(A)	20A
Power Tolerance	0~+3W
Pmax Temperature Coefficients(W/°C)	-0.400%
Voc Temperature Coefficients(V/°C)	-0.290%
Isc Temperature Coefficients(A/°C)	+0.048%
NOCT Nominal Operating Cell Temperature(°C)	45±2°C
Operating and Storage Temperature(°C)	-40°C~+85°C

CONSTRUCTION MATERIALS

Front Cover (Material / Thickness)	low-iron tempered glass / 3.2mm
Cell (Quantity/Type/Dimensions)	166*83 Mono
No. of Cells	120(6*10)*2
Frame (Material)	Anodized Aluminium Alloy
Junction Box (Protection Degree)	IP68 3 diodes
Cable (Length/Cross-Sectional Area)	4mm² cable 30cm+MC4

PACKAGING SPECIFICATIONS

-  20FT container
- 12Packages/354PCS
-  40HQ container
- 26Packages/858PCS

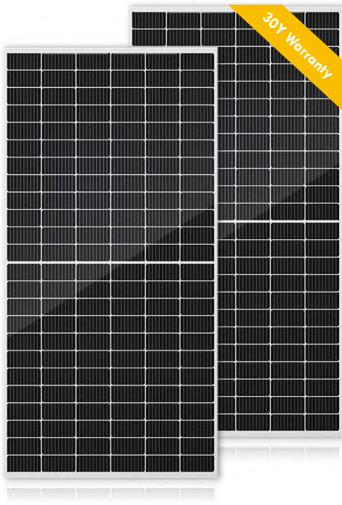


STC  Irradiance 1000W/m²  Cell Temperature 25 °C AM=1.5
NOCT  Irradiance 800W/m²  Ambient Temperature 20 °C AM=1.5

166M HALF CELL

430W-450W

- **Outstanding mechanical load resistance**
2400 Pa wind load, 5400 Pa snow load
- **Anti-PID(potential induced degradation)**
Passed anti-PID test under 85% damp heat, 85% relative humidity for 96 hours
- **Great Durability against extreme conditions**
Passed salt mist corrosion test, ammonia corrosion test, dust&sand test, fire test, all certified by TUV
- **Double electroluminescence (EL) tests**
Carefully inspected before and after lamination to guarantee fault-free modules



ELECTRICAL PERFORMANCE

Model Type	ST-430W		ST-440W		ST-450W	
Dimensions (L / W / H)	2094×1038×35		2094×1038×35		2094×1038×35	
	STC	NOCT	STC	NOCT	STC	NOCT
Peak Power at STC (Pmax)	430	321	440	329	450	336
Maximum Power Voltage (Vmp)	40.70	37.90	41.10	38.30	41.50	38.60
Maximum Power Current (Imp)	10.57	8.47	10.71	8.60	10.85	8.70
Open Circuit Voltage (Voc)	48.5±3%	45.5±3%	48.9±3%	45.8±3%	49.3±3%	46.2±3%
Short Circuit Current (Isc)	11.31±3%	9.15±3%	11.46±3%	9.27±3%	11.6±3%	9.38±3%
Module Efficiency(%)	19.78		20.24		20.7	

THERMAL CHARACTERISTICS & OPERATING CONDITIONS

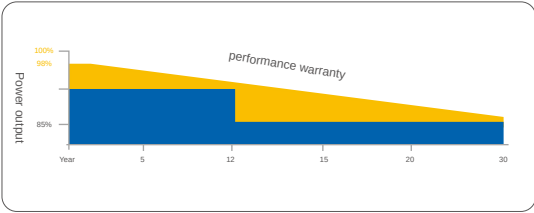
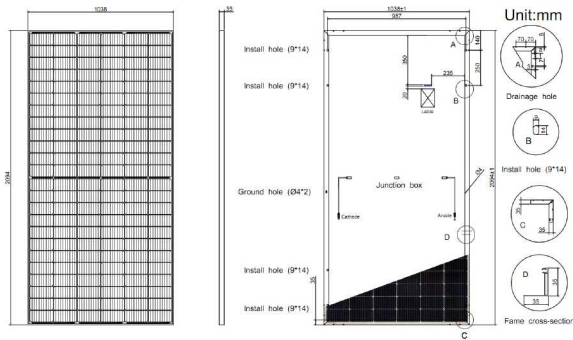
Maximum System Voltage(V)	1500/1000V
Maximum Series Fuse Rating(A)	20A
Power Tolerance	0~+3W
Pmax Temperature Coefficients(W/°C)	-0.400%
Voc Temperature Coefficients(V/°C)	-0.290%
Isc Temperature Coefficients(A/°C)	+0.048%
NOCT Nominal Operating Cell Temperature(°C)	45±2°C
Operating and Storage Temperature(°C)	-40°C~+85°C

CONSTRUCTION MATERIALS

Front Cover (Material / Thickness)	low-iron tempered glass / 3.2mm
Cell (Quantity/Type/Dimensions)	166*83 Mono
No. of Cells	144 (6*12)*2
Frame (Material)	Anodized Aluminium Alloy
Junction Box (Protection Degree)	IP68 3 diodes
Cable (Length/Cross-Sectional Area)	4mm² cable 100cm+MC4

PACKAGING SPECIFICATIONS

-  20FT container
- 10Packages/245PCS
-  40HQ container
- 22Packages/726PCS



STC  Irradiance 1000W/m²  Cell Temperature 25 °C AM=1.5
NOCT  Irradiance 800W/m²  Ambient Temperature 20 °C AM=1.5