



# 166M HALF CELL

## 430W-460W

**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 TÜV

**Double electroluminescence ( EL ) tests**  
Carefully inspected before and after lamination to guarantee fault-free modules

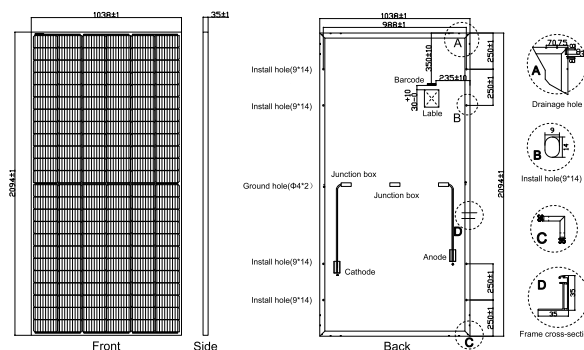


### ELECTRICAL PERFORMANCE

Model Type	YH430W-36MH		YH440W-36MH		YH450W-36MH		YH460W-36MH	
Dimensions (L / W / H)	2094x1038x35		2094x1038x35		2094x1038x35		2094x1038x35	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Peak Power at STC (Pmax)	430	321	440	329	450	336	460	343
Maximum Power Voltage (Vmp)	40.7	37.9	41.1	38.3	41.5	38.6	41.9	39.0
Maximum Power Current (Imp)	10.57	8.47	10.71	8.6	10.85	8.7	10.99	8.8
Open Circuit Voltage (Voc)	48.5±3%	45.5±3%	48.9±3%	45.8±3%	49.3±3%	46.2±3%	49.7±3%	46.6±3%
Short Circuit Current (Isc)	11.31±3%	9.15±3%	11.46±3%	9.27±3%	11.6±3%	9.38±3%	11.72±3%	9.48±3%
Module Efficiency (%)	19.78		20.24		20.7		21.16	

### THERMAL CHARACTERISTICS & OPERATING CONDITIONS

Maximum System Voltage(V)	1500V
Maximum Series Fuse Rating(A)	20
Power Tolerance	0~+3%
Pmax Temperature Coefficients(W/°C)	-0.350%
Voc Temperature Coefficients(V/°C)	-0.270%
Isc Temperature Coefficients(A/°C)	+0.048%
NOCT Nominal Operating Cell Temperature(°C)	45±2
Operating and Storage Temperature(°C)	-40°C~+85°C

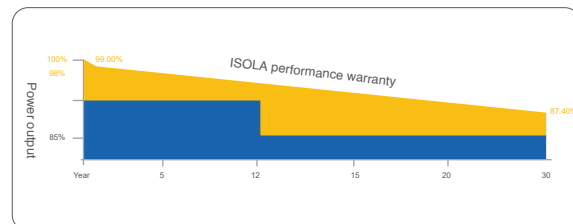


### CONSTRUCTION MATERIALS

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 30cm+mc4
Weight	22.00kg

### PACKAGING SPECIFICATIONS

- 20FT container 10Packages/285PCS
- 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



Please Scan Code