



# 182M HALF CELL

## 450W-460W



**Outstanding mechanical load resistance**  
2400 Pa wind load, 5400 Pa snow load



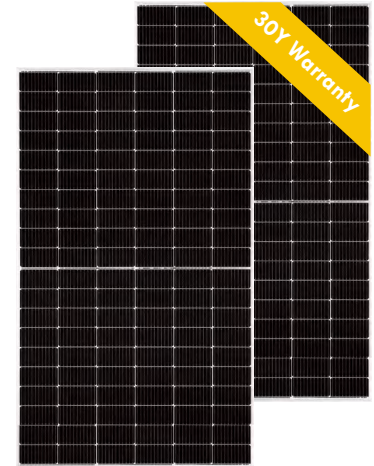
**Anti-PID(potential induced degradation)**  
Passed anti-PID test under 85% damp heat, 85% relative humidity for 96 hours



**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



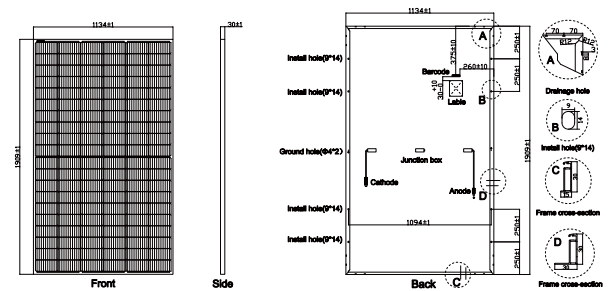
### ELECTRICAL PERFORMANCE

Model Type	YH450W-30M	YH455W-30M	YH460W-30M
Dimensions (L / W / H)	1909*1134*30	1909*1134*30	1909*1134*30
	STC	STC	STC
Peak Power at STC (Pmax)	450	455	460
Maximum Power Voltage (Vmp)	34.79	34.95	35.11
Maximum Power Current (Imp)	12.94	13.02	13.11
Open Circuit Voltage (Voc)	41.40±3%	41.60±3%	41.80±3%
Short Circuit Current (Isc)	13.74±3%	13.83±3%	13.93±3%
Module Efficiency(%)	20.85	21.08	21.32

### THERMAL CHARACTERISTICS & OPERATING CONDITIONS

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

Unit:mm



### CONSTRUCTION MATERIALS

Front Cover (Material / Thickness)	low-iron tempered glass / 3.2mm
Cell (Quantity/Type/Dimensions)	182*91 Mono
No. of Cells	120(12*10)
Frame (Material)	Anodized Aluminium Alloy
Junction Box (Protection Degree)	IP68 3 diodes
Cable (Length/Cross-Sectional Area)	4mm <sup>2</sup> cable30cm+mc4
Weight	23.80kg

### PACKAGING SPECIFICATIONS

- 20FT container 6Packages/222PCS
- 40HQ container 24Packages/888PCS

