



166M HALF CELL

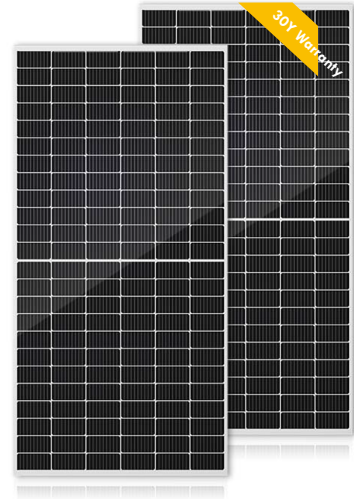
430W-450W

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

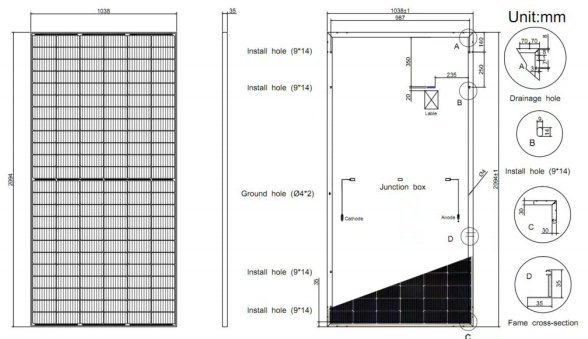
Model Type	430W-36MH		440W-36MH		450W-36MH	
Dimensions (L / W / H)	2094×1038×35		2094×1038×35		2094×1038×35	
	STC	NOCT	STC	NOCT	STC	NOCT
Peak Power at STC (Pmax)	430	321	440	329	450	336
Maximum Power Voltage (Vmp)	40.70	37.90	41.10	38.30	41.50	38.60
Maximum Power Current (Imp)	10.57	8.47	10.71	8.60	10.85	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



100%
98%