



166M HALF CELL 420W-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 TÜV



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



ELECTRICAL PERFORMANCE

Model Type	YH420W-36M		YH430W-36M		YH440W-36M		YH450W-36M	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Dimensions (L / W / H)	2094x1038x35		2094x1038x35		2094x1038x35		2094x1038x35	
Peak Power at STC (Pmax)	420	314	430	321	440	329	450	336
Maximum Power Voltage (Vmp)	40.3	37.52	40.7	37.9	41.1	38.3	41.5	38.6
Maximum Power Current (Imp)	10.42	8.37	10.57	8.47	10.71	8.6	10.85	8.7
Open Circuit Voltage (Voc)	48±3%	44.96±3%	48.5±3%	45.5±3%	48.9±3%	45.8±3%	49.3±3%	46.2±3%
Short Circuit Current (Isc)	11.12±3%	8.99±3%	11.31±3%	9.15±3%	11.46±3%	9.27±3%	11.6±3%	9.38±3%
Module Efficiency(%)	19.32		19.78		20.24		20.7	

THERMAL CHARACTERISTICS & OPERATING CONDITIONS

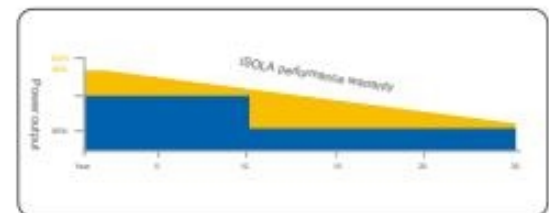
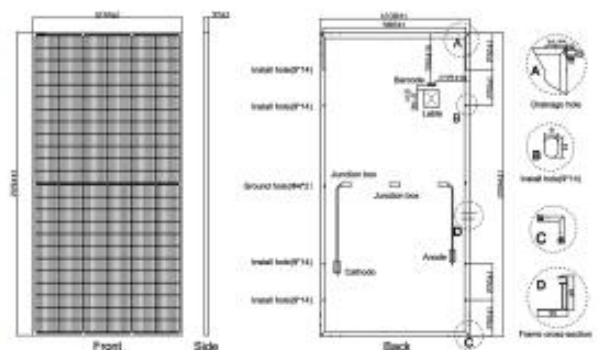
Maximum System Voltage(V)	1500V
Maximum Series Fuse Rating(A)	20
Power Tolerance	0~+3%
Pmax Temperature Coefficients(W/°C)	-0.350%
Voc Temperature Coefficients(V/°C)	-0.270%
Isc Temperature Coefficients(A/°C)	+0.048%
NOCT Nominal Operating Cell Temperature(°C)	45±2
Operating and Storage Temperature(°C)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

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



Please Scan Code