

450W-36MH

166M HALF CELL



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



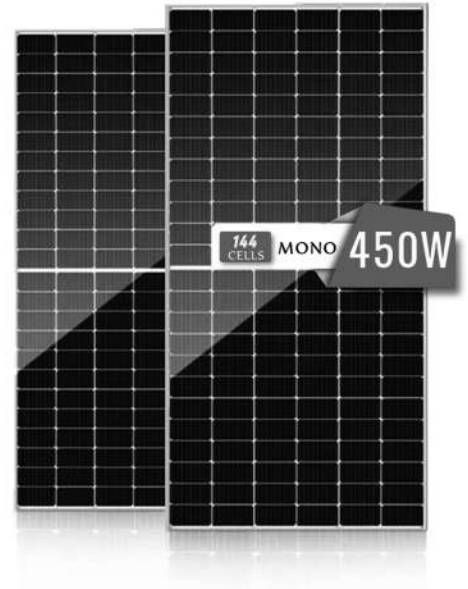
Anti-PID(potential induced degradation)
Passed anti-PID test under 85% damp heat, 85% relative humidity for 96 hours



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	450W-36MH	
Dimensions (L / W / H)	2094×1038×30MM	
	STC	NOCT
Peak Power at STC (Pmax)	450	336
Maximum Power Voltage (Vmp)	41.50	38.60
Maximum Power Current (Imp)	10.85	8.70
Open Circuit Voltage (Voc)	49.3±3%	46.2±3%
Short Circuit Current (Isc)	11.6±3%	9.38±3%
Module Efficiency(%)	20.7	

THERMAL CHARACTERISTICS

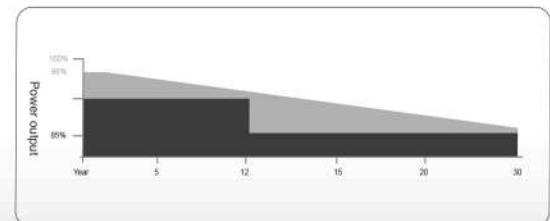
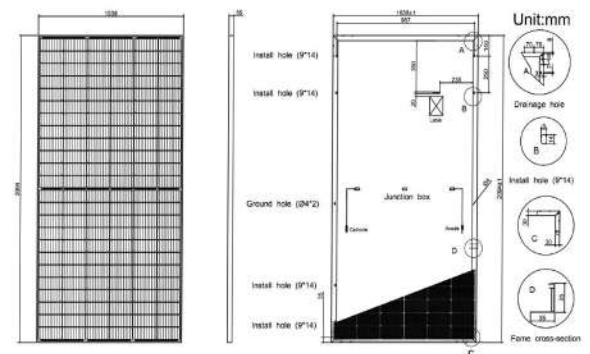
Maximum System Voltage(V)	1500/1000V
Maximum Series Fuse Rating(A)	20A
Power Tolerance	0~+3W
Pmax Temperature Coefficients(W/°C)	-0.400%
Voc Temperature Coefficients(V/°C)	-0.290%
Isc Temperature Coefficients(A/°C)	+0.048%
NOCT Nominal Operating Cell Temperature(°C)	45±2°C
Operating and Storage Temperature(°C)	-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 30cm+MC4

PACKAGING SPECIFICATIONS

- 20FT container 10Packages/285PCS
- 40HQ container 22Packages/726PCS



ESSOLX

- Energy Storage Specialist -