



182M HALF CELL

540W-550W



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	YH540W-36MH		YH545W-36MH		YH550W-36MH	
Dimensions (L / W / H)	2279*1134*30		2279*1134*30		2279*1134*30	
	STC	NOCT	STC	NOCT	STC	NOCT
Peak Power at STC (Pmax)	540	401.4	545	405.1	550	408
Maximum Power Voltage (Vmp)	41.77V	38.78V	41.93V	38.93V	42.13V	39.09V
Maximum Power Current (Imp)	12.94A	10.35A	13.0A	10.41A	13.06A	10.46A
Open Circuit Voltage (Voc)	49.7±3%	46.54±3%	49.9±3%	46.73±3%	50.1±3%	46.92±3%
Short Circuit Current (Isc)	13.72±3%	11.05±3%	13.81±3%	11.13±3%	13.9±3%	11.2±3%
Module Efficiency(%)	20.89		21.09		21.28	

THERMAL CHARACTERISTICS & OPERATING CONDITIONS

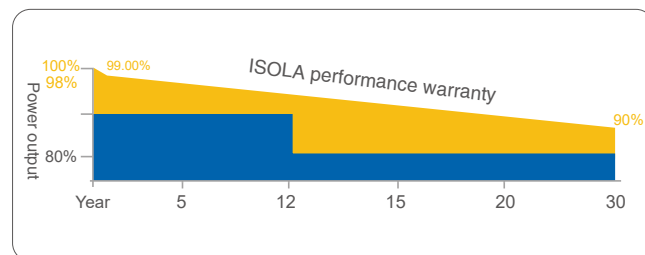
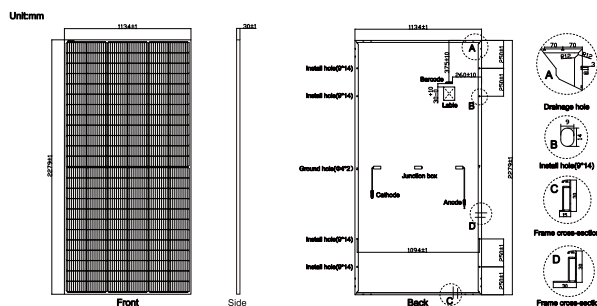
Maximum System Voltage(V)	1500V
Maximum Series Fuse Rating(A)	20A
Power Tolerance	0~+3W
Pmax Temperature Coefficients(W/°C)	-0.350%
Voc Temperature Coefficients(V/°C)	-0.270%
Isc Temperature Coefficients(A/°C)	+0.048%
NOCT Nominal Operating Cell Temperature(°C)	45±2°C
Operating and Storage Temperature(°C)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

CONSTRUCTION MATERIALS

Front Cover (Material / Thickness)	low-iron tempered glass / 3.2mm
Cell (Quantity/Type/Dimensions)	182*91 Mono
No. of Cells	144 (6*12)*2
Frame (Material)	Anodized Aluminium Alloy
Junction Box (Protection Degree)	IP67/IP68
Cable (Length/Cross-Sectional Area)	4mm² cable 35cm+mc4
Weight	27.00kg

PACKAGING SPECIFICATIONS

20FT container	5Packages/315PCS
40HQ container	20Packages/740PCS



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