



182M HALF CELL

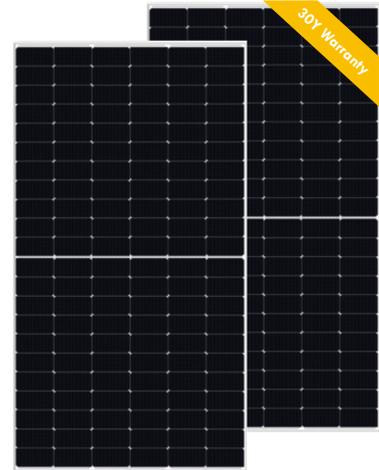
490W-500W

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

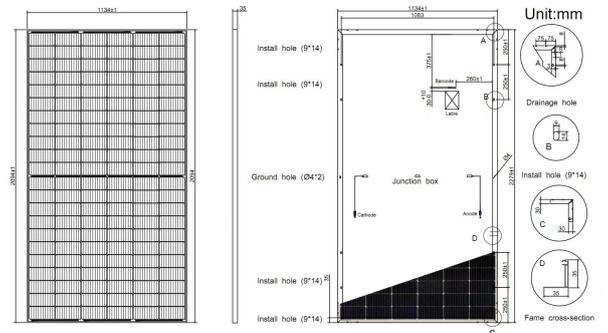


ELECTRICAL PERFORMANCE

| Model Type | YH480W-33MH | | YH490W-33MH | | YH500W-33MH | | YH505W-33MH | |
|-----------------------------|--------------|----------|--------------|----------|--------------|----------|--------------|----------|
| Dimensions (L / W / H) | 2094x1134x35 | | 2094x1134x35 | | 2094x1134x35 | | 2094x1134x35 | |
| | STC | NOCT | STC | NOCT | STC | NOCT | STC | NOCT |
| Peak Power at STC (Pmax) | 480 | 356.8 | 490 | 364.2 | 500 | 371.6 | 505 | 375.3 |
| Maximum Power Voltage (Vmp) | 37.80 | 35.02 | 38.12 | 35.34 | 38.44 | 35.66 | 38.60 | 35.82 |
| Maximum Power Current (Imp) | 12.70 | 10.19 | 12.86 | 10.31 | 13.01 | 10.43 | 12.09 | 10.49 |
| Open Circuit Voltage (Voc) | 44.94±3% | 42.12±3% | 45.34±3% | 42.48±3% | 45.74±3% | 42.84±3% | 45.94±3% | 43.02±3% |
| Short Circuit Current (Isc) | 13.46±3% | 10.83±3% | 13.64±3% | 10.99±3% | 13.82±3% | 11.15±3% | 13.91±3% | 11.23±3% |
| Module Efficiency(%) | 20.21 | | 20.63 | | 21.05 | | 21.26 | |

THERMAL CHARACTERISTICS & OPERATING CONDITIONS

| | |
|--|-------------------|
| Maximum System Voltage(V) | 1500/1000V |
| Maximum Series Fuse Rating(A) | 20A |
| Power Tolerance | 0~+3 % |
| Pmax Temperature Coefficients(W/) | -0.400 % |
| Voc Temperature Coefficients(V/) | -0.290 % |
| Isc Temperature Coefficients(A/) | +0.048 % |
| NOCT Nominal Operating Cell Temperature() | 45±2°C |
| Operating and Storage Temperature() | -40°C ~+85°C |

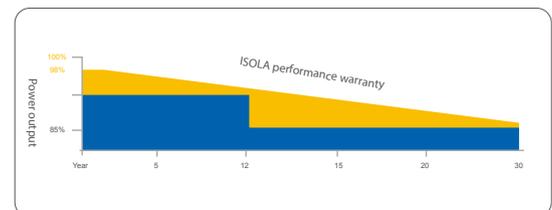


CONSTRUCTION MATERIALS

| Front Cover (Material / Thickness) | low-iron tempered glass / 3.2mm |
|-------------------------------------|---------------------------------|
| Cell (Quantity/Type/Dimensions) | 182*91 Mono |
| No. of Cells | 132 (12*11) |
| Weight | 26.10kg |
| Frame (Material) | Anodized Aluminium Alloy |
| Junction Box (Protection Degree) | IP68 3 diodes |
| Cable (Length/Cross-Sectional Area) | 4mm ² cable 30cm+MC4 |

PACKAGING SPECIFICATIONS

- 20FT container 5Packages/155PCS
- 40HQ container 22Packages/682PCS



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