

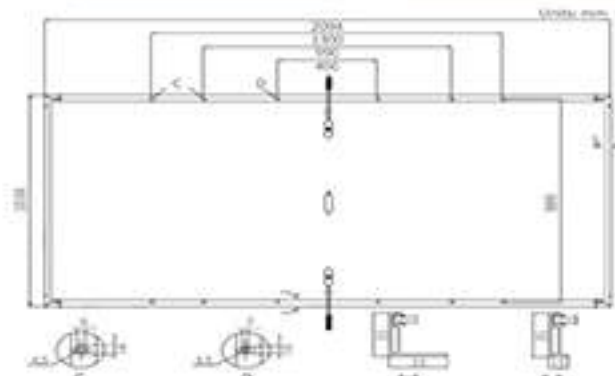
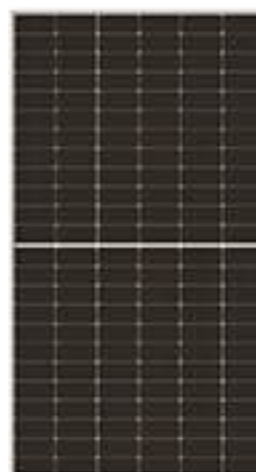
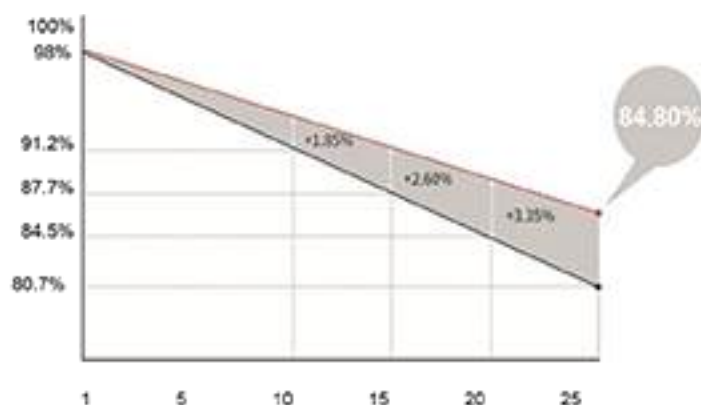
430_460W

Class A. half cut cell-9bb

Yazd Hedayat Noor

Solar Energy

Additional Value



Cell Orientation	144 (6 x 24)
Junction Box	IP68, three diodes
Output Cable	4mm ² , positive 400 / negative 200mm length can be customized
Glass	Single glass, 3.2mm coated tempered glass
Frame	Anodized aluminum alloy frame
Weight	23.3kg
Dimension	35mm 2094 x
Packaging	30pcs per pallet / 150pcs per 20' GP / 660pcs per 40' HC

Electrical Characteristics	STC : AM1.5 1000W/m ² 25°C				cTest uncertainty for P _{max} : ±3%		
Power Class	430	435	440	445	450	455	460
Maximum Power (P _{max} /W)	430	435	440	445		455	460
Open Circuit Voltage (V _{oc} /V)	48.5	48.7	48.9	49.1	49.3	49.5	49.7
Short Circuit Current (I _{sc} /A)	11.31	11.39	1.46	11.53	11.60	11.66	11.73
Voltage at Maximum Power (V _{mp} /V)	40.7	40.9	41.1	41.3	41.5	41.7	41.9
Current at Maximum Power (I _{mp} /A)	10.57	10.64	10.71	10.78	10.85	10.92	10.98
Module Efficiency(%)	19.8	20.0	20.2	20.5	20.7	20.9	21.2

Operating Parameters	
Operational Temperature	-40°C +85 °C
Power Output Tolerance	0±5 w
V _{oc} and I _{sc} Tolerance	
Maximum System Voltage	DC1500V (I EC/UL)
Maximum Series Fuse Rating	20A
Nominal Operating Cell Temperature	45±20°C
Protection Class	Class
Fire Rating	UL type 1 or 2

Mechanical Loading	
Front Side Maximum Static Loading	5400pa
Rear Side Maximum Static Loading	2400Pa
Hailstone Test	25mm Hailstone at the speed of 23m/s

Temperature Ratings (STC)	
Temperature Coefficient of I _{sc}	+0.048%/°C
Temperature Coefficient of V _{oc}	-0.270%/°C
Temperature Coefficient of P _{max}	-0.350%/°C