

MONO PERC MODULE

325W - 350W / 158.75mm / 5BB

AI-120HCG1-325 | 330 | 335 | 340 | 345 | 350



High conversion efficiency due to top quality wafers and advanced cell technology



Selected encapsulating material and stringent production process control ensure the product is highly PID resistant and snail trails free



Sand blowing test, salt mist test and ammonia test passed to endure harsh environments



Optimized system performance due to module level current sorting



Special cell process ensures great performance under low irradiance conditions



Highly transparent self-cleaning glass brings additional yield and easy maintenance



ELECTRICAL DATA STC*

Module Name	AI-120HCG1-325w	AI-120HCG1-330w	AI-120HCG1-335w	AI-120HCG1-340w	AI-120HCG1-345w	AI-120HCG1-350w
Normal Max power(Pmax)	325W	330W	335W	340W	345W	350W
Opt.Operating Voltage(Vmp)	33.44	33.80	34.16	34.52	34.88	35.24
Opt.Operating Current(Imp)	9.72	9.76	9.81	9.85	9.89	9.93
Open Circuit Voltage(Voc)	40.15	40.44	40.71	40.98	41.25	41.52
Short Circuit Current(Isc)	10.16	10.20	10.24	10.28	10.32	10.36
Module Efficiency(%)	19.3	19.6	19.9	20.2	20.5	20.8
Power Output Tolerance(w)	0 ~ + 5 w					

Irradiance 1000W/M², Module Temperature 25⁰C, Air mass 1.5

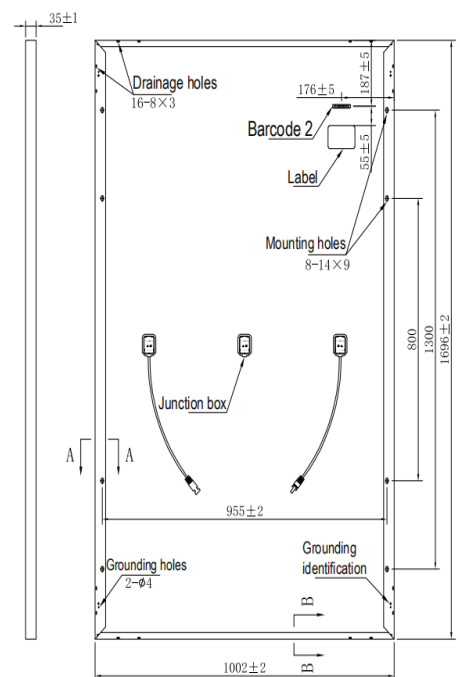
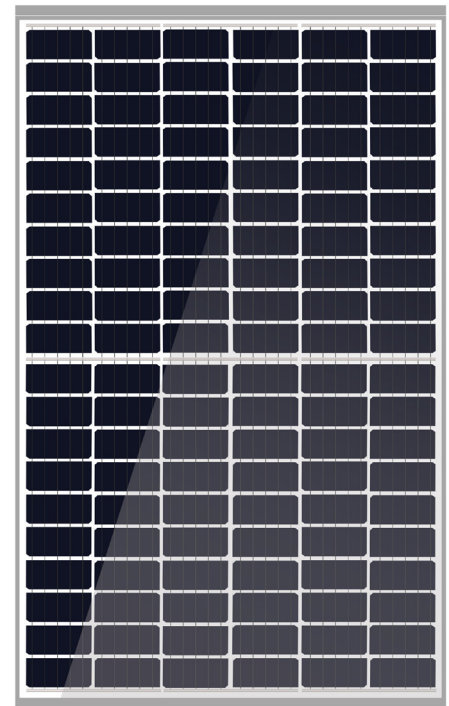
ELECTRICAL DATA NMOT*

Normal Max power(Pmax)	242.58	245.85	249.92	253.23	256.54	259.85
Opt.Operating Voltage(Vmp)	31.30	31.60	32.00	32.30	32.60	32.90
Opt.Operating Current(Imp)	7.75	7.78	7.81	7.84	7.87	7.90
Open Circuit Voltage(Voc)	37.30	37.60	37.80	38.10	38.40	38.70
Short Circuit Current(Isc)	8.22	8.25	8.28	8.31	8.34	8.37

Irradiance 800W/M², Ambient Temperature 20⁰C, Wind Speed 1 m/s

MECHANICAL DATA

Number of cells	120Cells [6x10+6X10] Monocrystalline 158.75/5BB
Dimensions of Modle L*M*H[mm]	1696x1002x35mm[66.77x39.45x1.38 inches]
Glass	High transparency solar glass 3.2mm[0.13inches]
Backsheet	White
Frame	Sliver,anodized aluminium alloy
Junction-Box	IP68 rated
Cable	4.0mm ² [0.006 inches ²],900mm[35.4inches]
Number of diodes	3
Wind of Snow Load	2400Pa/5400Pa*
Connector	MC Compatible
Packaging Configuration	36pcs/pallet,840pcs/40HQ container



I-V CURVES

