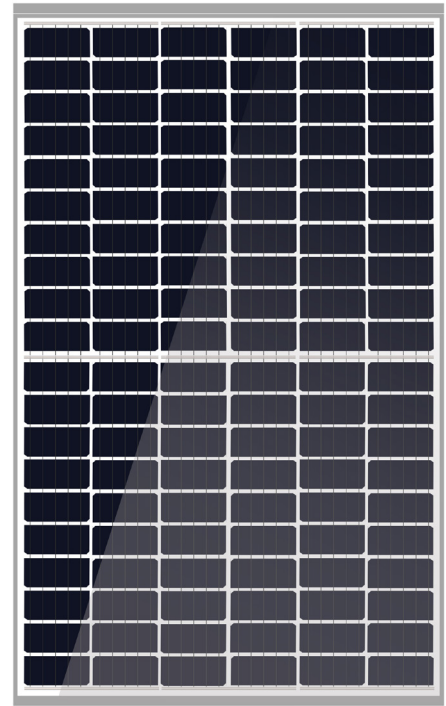


# MONO PERC MODULE

390W - 415W / 158.75mm / 5BB

AI-144HCG1-390 | 395 | 400 | 405 | 410 | 415

- 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-144HCG1-390w	AI-144HCG1-395w	AI-144HCG1-400w	AI-144HCG1-405w	AI-144HCG1-410w	AI-144HCG1-415w
Normal Max power(Pmax)	390W	390W	400W	405W	410W	415W
Opt.Operating Voltage(Vmp)	39.92	40.27	40.61	40.96	41.31	41.66
Opt.Operating Current(Imp)	9.77	9.81	9.85	9.89	9.93	9.97
Open Circuit Voltage(Voc)	48.33	48.63	48.93	49.23	49.53	49.83
Short Circuit Current(Isc)	10.29	10.33	10.36	10.39	10.41	10.44
Module Efficiency(%)	19.40	19.70	19.90	20.10	20.30	20.50
Power Output Tolerance(w)	0 ~ + 5 w					

Irradiance 1000W/M<sup>2</sup>, Module Temperature 25°C, Air mass 1.5

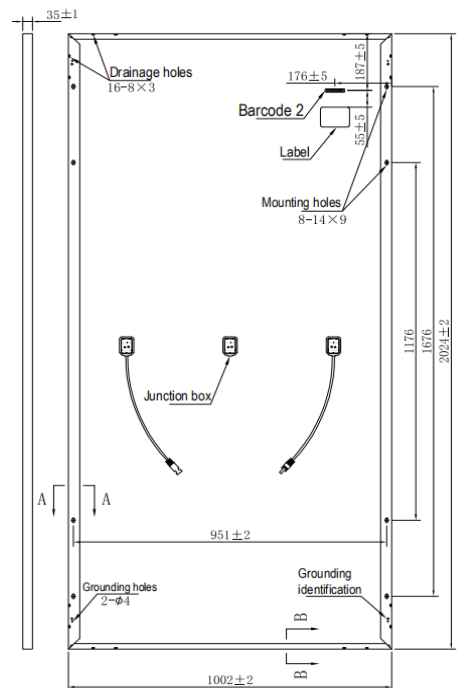
## ELECTRICAL DATA NMOT\*

Normal Max power(Pmax)	29.61	295.13	298.24	301.37	304.50	307.63
Opt.Operating Voltage(Vmp)	37.20	37.50	37.80	38.10	38.40	38.70
Opt.Operating Current(Imp)	7.84	7.87	7.89	7.91	7.93	7.95
Open Circuit Voltage(Voc)	45.00	45.30	45.60	45.80	46.00	46.20
Short Circuit Current(Isc)	8.32	8.35	8.38	8.40	8.42	8.44

Irradiance 800W/M<sup>2</sup>, Ambient Temperature 20°C, Wind Speed 1 m/s

## MECHANICAL DATA

Number of cells	144Cells [6x12+6x12] Monocrystalline 158.75/5BB
Dimensions of Modle L*M*H[mm]	2010x1000x35mm[79.13x39.37x1.38 inches]
Glass	High transparency solar glass 3.2mm[0.13inches]
Backsheet	White
Frame	Sliver,anodized aluminium alloy
Junction-Box	IP68 rated
Cable	4.0mm <sup>2</sup> [0.006 inches <sup>2</sup> ],900mm[35.4inches]
Number of diodes	3
Wind of Snow Load	2400Pa/5400Pa*
Connector	MC Compatible
Packaging Configuration	30pcs/pallet,594pcs/40HQ container



## I-V CURVES

