



NH-100AT

NH-100AT is the new frontier in the large-sized Thin Film era. With an innovative low open circuit voltage and high maximum system voltage, NH-100AT offers a cost-effective alternative for grid-connected photovoltaic systems. The low temperature coefficient and high radiance absorption rate of NH-100AT ensure an excellent power output in a high temperature environment and an elevated annual power yield. IEC 61646/61730 - certified premium quality of NH-100AT guarantees an outstanding performance, providing a reliable solution to comply with local incentive programs.







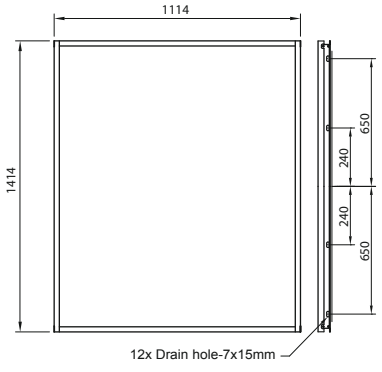
Specifications:

Model	NH-100AT_4A	NH-100AT_3A
Nominal Power [W] [±5%]	100	95
Open Circuit Voltage [V]	50.5	50
Short Circuit Current [A]	3.3	3.24
Maximum Power Voltage [V]	37.5	36.5
Maximum Power Current [A]	2.66	2.6
Initial Values	Pmax : Refer to installation manual Voc : Approximate 4% higher than stablized voltage	
Maximum System Voltage [V]	1000	1000
Dimensions [mm]	1414 * 1114 * 35.3	1414 * 1114 * 35.3
Weight [kg]	20.5	20.5
Connector	MC	MC
Cable Length [mm]	1000	1000
Cable size [mm^2]	2.5	2.5

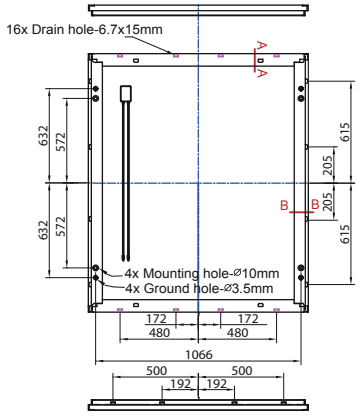
Temperature coefficients:

Nominal Power [W]	-0.2 %/^{O}C
Open Circuit Voltage [V]	-0.34 %/^{O}C
Short Circuit Current [A]	0.09 %/^{O}C
Maximum Power Voltage [V]	-0.33 %/ ^{O}C

Outline:



Front-side view



Back-side view

※ Data above represent stabilized values at Standard Test Conditions(STC) [Irradiance:1000 W/m^2, Spectrum: AM1.5, Cell temperature: 25^{O}C].

※ All electrical ratings with a tolerance of ±10%, unless specified otherwise. Specifications are for reference only and subjected to change without notice.

※ Power warranty :
maintain more than 90% of minimum rated power for 10 years.
maintain more than 80% of minimum rated power for 25 years.

※ Product warranty : free from defects for 5 years.

Certifications:

- IEC 61646/61730
- ISO 9001:2008
- CE
- ISO 14001:2004
- UL1703 certified product available

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