



Thin Film Is NexPower

NH-100AX-1

NH-100AX-1 is the new frontier in the large-sized Thin Film era. With its superior power output and conversion efficiency, NH-100AX-1 offers a cost-effective alternative for grid-connected photovoltaic systems. The low temperature coefficients and high radiance absorption rate of NH-100AX-1 ensure an excellent power output under high temperature environment and an elevated annual power yield. IEC 61646/61730-certified premium quality of NH-100AX-1 guarantees an outstanding performance, providing a reliable solution to comply with the incentive programs respectively.

Specifications:

Model	NH-100AX-1_4A	NH-100AX-1_3A	NH-100AX-1_2A
Nominal Power [W] [±5%]	100	95	90
Open Circuit Voltage [V]	101	100	99.5
Short Circuit Current [A]	1.65	1.62	1.6
Maximum Power Voltage [V]	75	73	71.4
Maximum Power Current [A]	1.33	1.3	1.26
Initial Values	Pmax: Refer to installation manual Voc: Approximate 4% higher than stabilized voltage		
Maximum System Voltage [V]	600	600	600
Dimensions [mm]	1414 * 1114 * 35.3	1414 * 1114 * 35.3	1414 * 1114 * 35.3
Weight [kg]	20.5	20.5	20.5
Connector	MC (compatible)	MC (compatible)	MC (compatible)
Cable Length [mm]	1000	1000	1000
Cable size [mm ²]	2.5	2.5	2.5

Temperature coefficients:

Nominal Power [W]	-0.2 %/°C
Open Circuit Voltage [V]	-0.34 %/°C
Short Circuit Current [A]	0.09 %/°C

*Data above represent stabilized values at Standard Test Conditions(STC)
[Irradiance:1000 W/m², Spectrum: AM1.5, Cell temperature: 25°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 20 years.

*Product warranty: free from defects for 2 years.



Outline:

