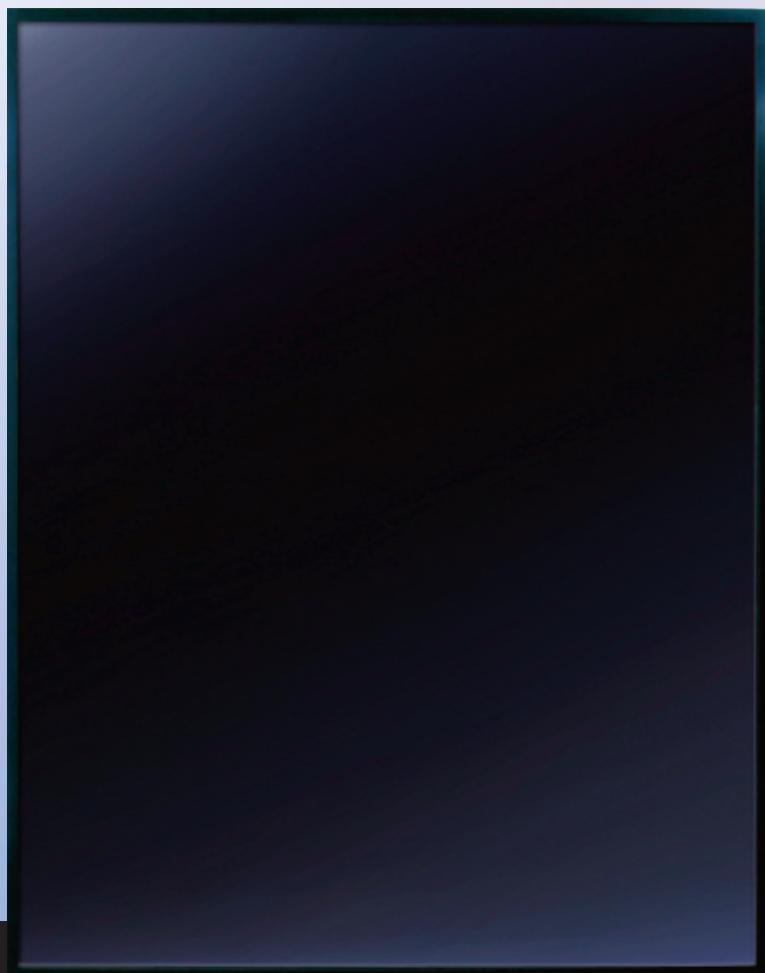




WINAICO

Thin-film technology

NexPower NT-series



NexPower NT-series

- **Leading-edge microamorphous thin-film technology**
- **Good temperature behaviour**
- **Optimal usage of light spectrum**
- **High efficiency**
- **Flexible configuration**
- **Low system costs**



WINAICO

Solar modules **NexPower NT-series**



NexPower NT-series solar modules reflect the latest standards for large-format and microamorphous thin-film technology on an environmentally friendly silicon basis and are therefore a permanent part of the WINAICO range.

With extensive know-how from the semi-conductor industry, strict quality management and comprehensive research, NexPower is setting a new standard amongst thin-film manufacturers.

The NexPower modules, available in two designs, combine superb performance with a high level of efficiency. A specific characteristic of these modules is that they enable particularly flexible configuration with a lower voltage and a higher permitted system voltage. Users therefore profit from comparatively low system costs. Based on state-of-the-art, highly meticulous production processes, NexPower NT-series solar modules are exceptional due to their particularly high quality, high specific yields and durability.

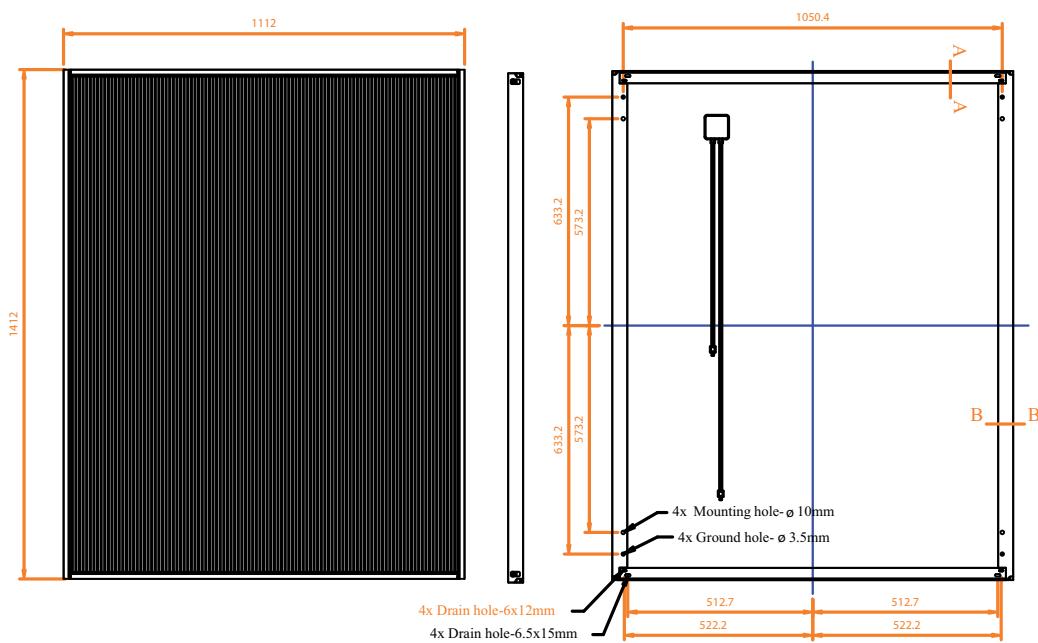
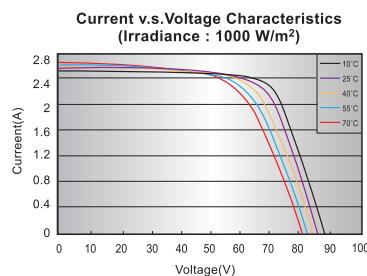
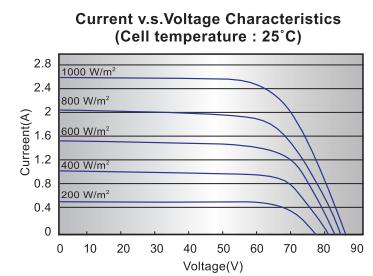
Our NexPower NT-series solar modules are also subject to WINAICO quality demands:

- Leading-edge production technology
- Environmentally friendly materials and production processes
- Extensive quality controls
- Comprehensive field tests ensure verification of above-average thin-film performance
- NexPower is a company with history and experienced personnel

Your advantages

of NexPower NT-series at a glance:

- High specific yields, also under suboptimal conditions
- High efficiency
- Good temperature behaviour
- Optimal usage of light spectrum
- Flexible configuration
- Low system costs





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Technical data NexPower NT-series

Model	NT-150AX	NT-145AX	NT-140AX
Nominal output at Pmax [W]	150 [+ / - 5%]	145 [+ / - 5%]	140 [+ / - 5%]
MPP voltage [V]	64.7	64.2	62.8
MPP current [A]	2.32	2.26	2.23
Max. system voltage [V]	1000	1000	1000
Open-circuit voltage [V]	85.5	85.5	84.5
Short circuit current [A]	2.54	2.51	2.47
Temperature coefficient:			
Nominal output [W]	-0.28% /°C	-0.28% /°C	-0.28% /°C
Open-circuit voltage [V]	-0.32% /°C	-0.32% /°C	-0.32% /°C
Short circuit current [A]	0.07% /°C	0.07% /°C	0.07% /°C
Dimensions [mm]	1412x1112x42	1412x1112x42	1412x1112x42
Weight [kg]	19.8	19.8	19.8
Manufacturer's guarantee	10 years at 90%, 25 years at 80% of the minimum specified performance	10 years at 90%, 25 years at 80% of the minimum specified performance	10 years at 90%, 25 years at 80% of the minimum specified performance
Manufacturer's product guarantee	5 years	5 years	5 years
Certification	IEC 61646/61730, CE ISO 9001:2008, ISO 14001:2004	IEC 61646/61730, CE ISO 9001:2008, ISO 14001:2004	IEC 61646/61730, CE ISO 9001:2008, ISO 14001:2004

- Electrical values measured under standard test conditions [STC]: Solar radiation 1.000 W/m² with light spectrum AM 1.5 with a cell temperature of 25 °C.
- All electrical data is subject to a tolerance of +/-10%
- 5 years product guarantee, 10 years at 90% of performance, 25 years at 80% of performance – see guarantee conditions of the manufacturer NexPower
- The technical data may be subject to change without prior notification. No liability is accepted for errors or misprints

Further information:

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