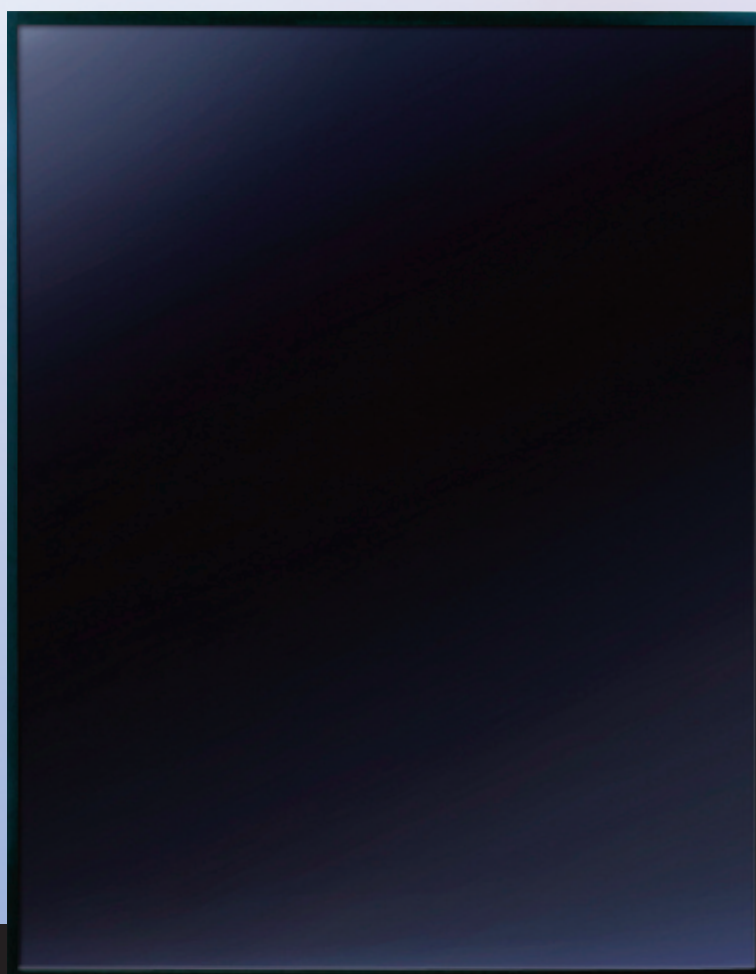




WINAICO

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.

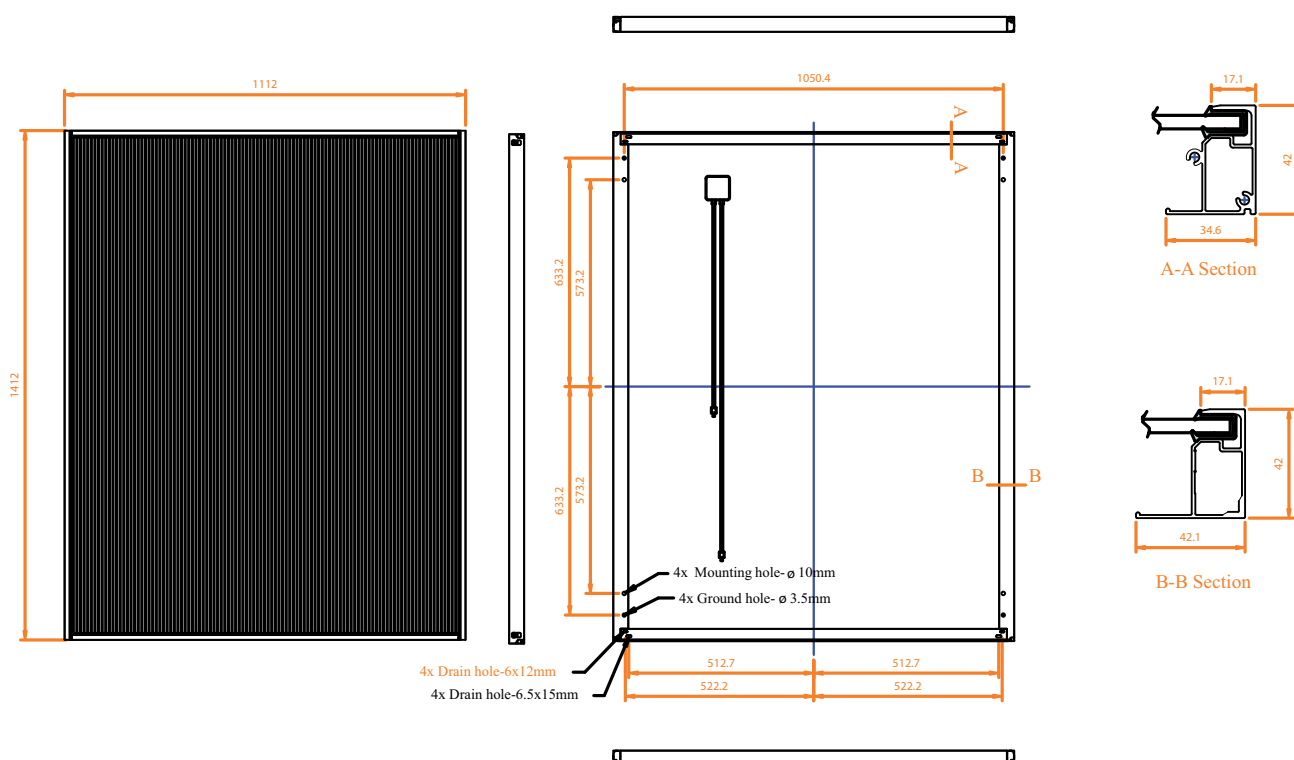
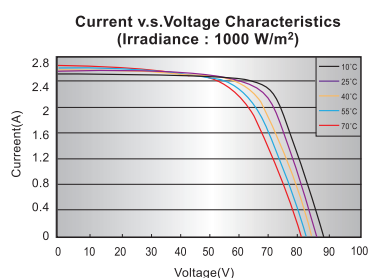
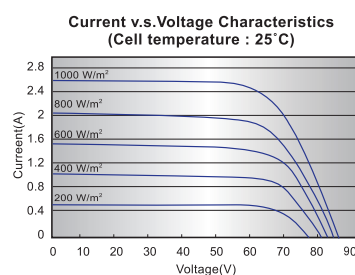
The NexPower modules, available in two designs, combine superb performance with a high level of efficiency. A specific characteristic of these modules is that they enable particularly flexible configuration with a lower voltage and a higher permitted system voltage. Users therefore profit from comparatively 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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Your specialist dealer.