

Solar power system perfectly integrated into the roof



InDaX®-V-170

The InDaX®-V-170 system converts solar energy directly into electricity – without noise, emissions or polluting residues. The solar modules are designed specifically for the integration in pitched roofs and have two functions: production of solar electric power and long-lasting, weather-resistant roof covering.

The system is highly rain-proof and has a very good rear-ventilation. The modules are connected in series by shock-proof, non-interchangeable plugs and sockets ready for connection. Modules, all the electrical cables and contacts correspond to protection class II. The InDaX®-V-170 modules are certified in compliance with the IEC 61215 test specification.

Product specification

Material

Solar module:	Specially hardened glass, glass-foil module, multi-crystalline solar cell
Assembly:	Solar modules with racking: connection using double proofed connector-rails and power-coated covering-rails.
Rubber seal:	EPDM, UV-resistant, weather-proof
Subconstruction & Roof edging:	Profiles made of weather-resistant aluminium

Solar module ⁽¹⁾

Max. Power Output P_{mpp}	170 Wp
Nominal current I_{mpp}	4.71 A
Nominal voltage U_{mpp}	36.0 V
Short circuit current I_{sc}	5.25 A
Open circuit voltage U_{oc}	44.0 V
Max. system voltage	860 V _{DC}
Dimensions	0.85 m x 1.70 m
Weight (approx.)	25 kg (incl. module base)
Module colour	blue

(1) Nominal power under Standard-Test-Conditions (STC): AM 1,5;
 $E = 1000 \text{ W/m}^2$; $T_c = 25^\circ\text{C}$; The rated power may only vary by $\pm 4\%$ and all other electrical parameters by $\pm 10\%$.

Temperature coefficients

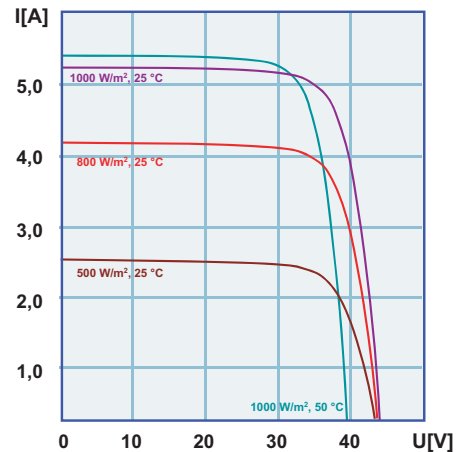
Power	$T_K (P_n)$	- 0.47 % / °C
Open-circuit voltage	$T_K (U_{oc})$	- 0.38 % / °C
Short-circuit current	$T_K (I_{sc})$	+ 0.10 % / °C

Unit pack

Solar modules InDaX[®]-V-170, fittings, installation and operating instructions.

Fitting and Installation

The laying and circuit connection of the solar modules is carried out by the roofer, with the electrical installation being carried out by an approved electrical contractor.
 Minimum roof pitch: 25°
 Condition for the installation is a roof system with counter batten and roof batten.
 Please consider the valid installation manual.



MANAGEMENTSYSTEM
 Certified by DQS according to
 DIN EN ISO 9001:2000 · Reg.-No. 2184
 DIN EN ISO 14001:1996 · Reg.-No. 2184

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