

Solarmodule

Project 410 Wp mono halfcut



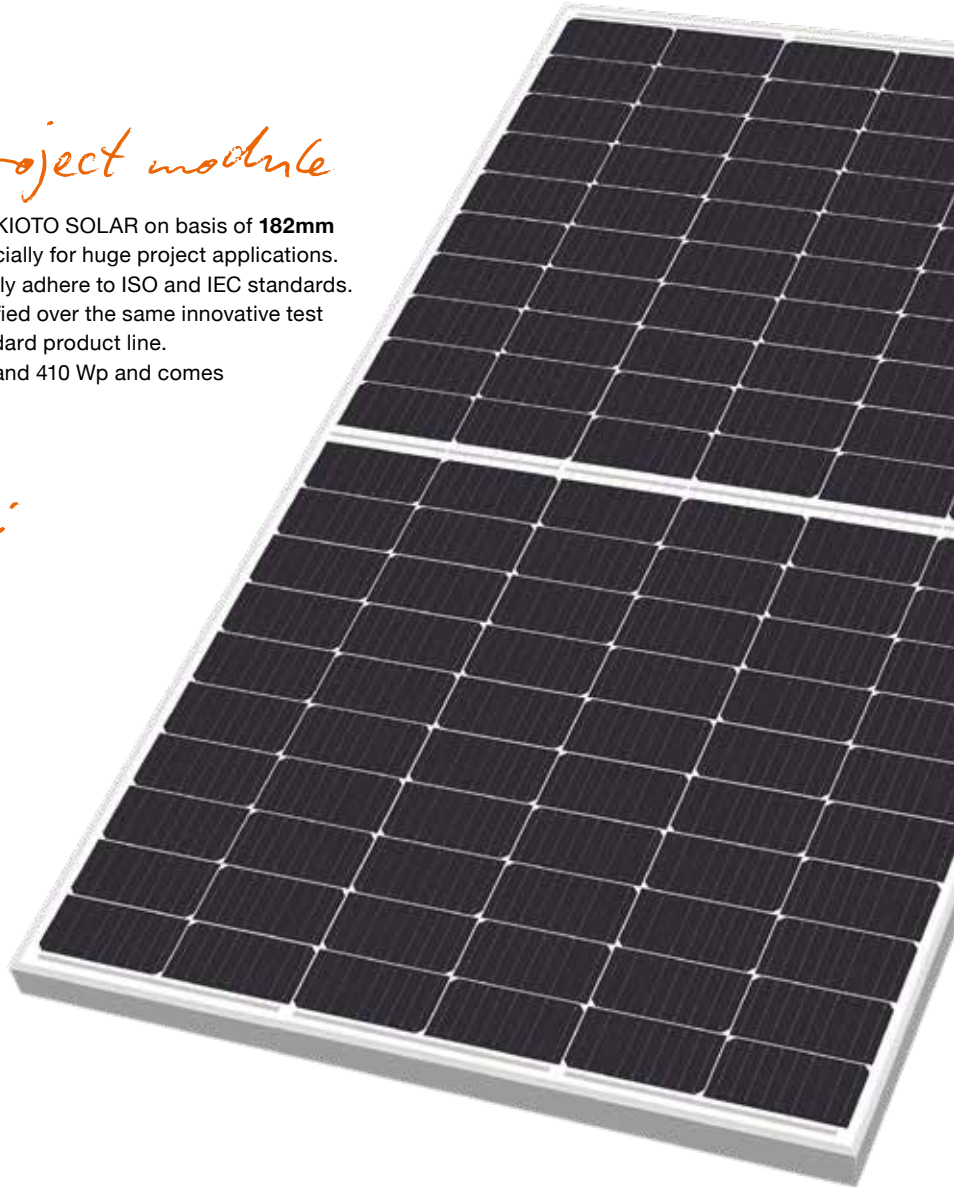
A brand of
SONENKRAFT

EFFICIENT! The project module

The PROJECT photovoltaic module series from KIOTO SOLAR on basis of **182mm** solar cells is a cost – optimized alternative especially for huge project applications. Only selected components are used which strictly adhere to ISO and IEC standards. All electrical and mechanical tolerances are verified over the same innovative test procedures and therefore identically to the standard product line. The PROJECT module is available with 380 Wp and 410 Wp and comes with aluminium frame and bevel cut edges.

Product advantages:

- // Optimized module connection regarding shading
- // Use of PID-resistant module components
- // Product warranty of 12 years and a linear performance warranty for 25 years
- // Use of high quality components from nameable deliverers
- // Stable frame concept for technical safety and homogeneous design
- // Optimized weak light behaviour



PROJECT

KPV 410 Wp Project HC

Module specification

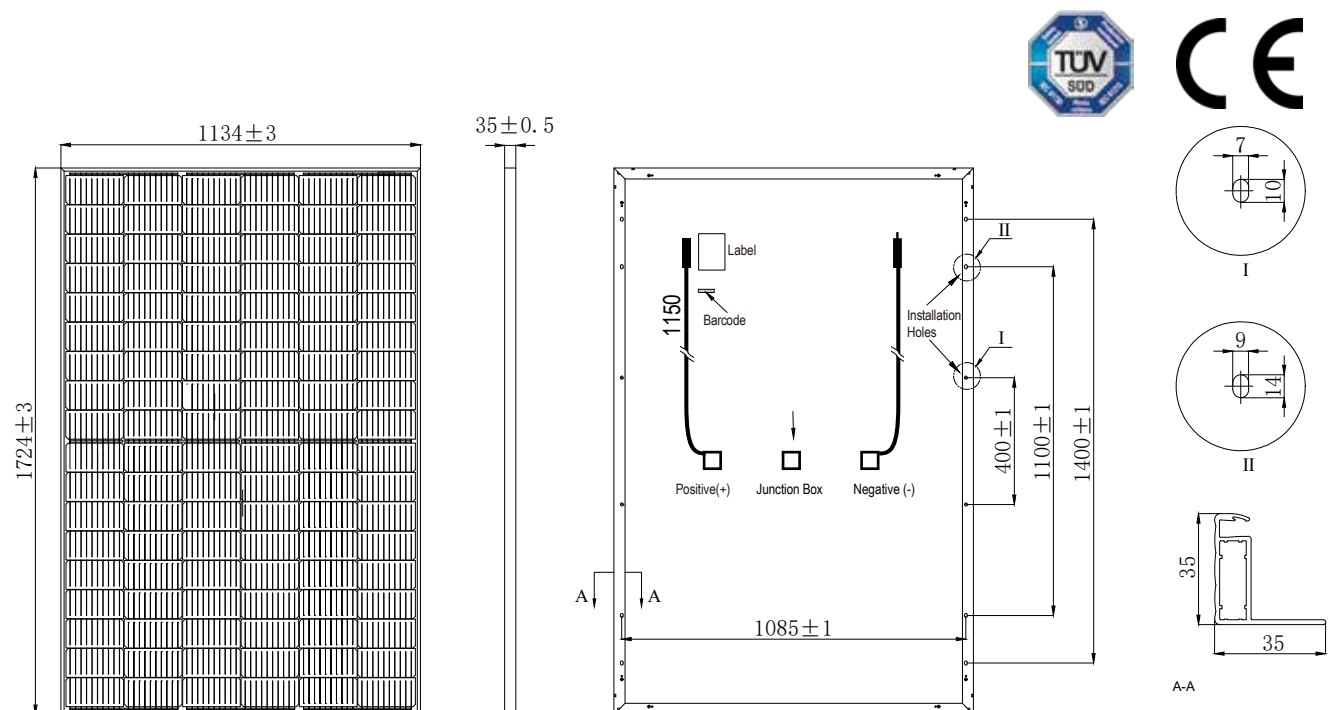
	Pmpp _[Wp]	Ump _[V]	Imp _[A]	Uoc _[V]	Isc _[A]	efficiency rate	area per kWp
410 Wp Project HC	410 Wp	31,30 V	13,10 A	37,26 V	13,79 A	20,97%	4,77 m ²

Electrical data

120 crystalline cells	182 x 91 mm
Connecting System	Original Stäubli MC4 EVO2 connectors
Max. system voltage	1500V DC
Power tolerance	(+ 5W / - 0 W) Measurement: STC (standard test conditions)
Temperature coefficients	mono halfcut: Pmpp -0,350%/K Uoc -0,270%/K Isc +0,048%/K
Max. reverse over current	15A
Operation temperature	+85°C up to -40°C
Cable length	2x 1150 mm
Bypass diodes	3 pcs.
Efficiency guarantee	min. 97 % in the first year, afterwards a reduction of 0,7% p.a. - up to 25 years
Product guarantee	12 years

Technical data

Size	1724 mm x 1134 mm x 35 (+/- 3 mm)
Weight	22,00 kg
Glass specification	3,2mm ESG – solar glass with anti-reflex coating (solar transmittance AM1,5 min. 94%)
Test certificate	IEC 61215, Ed. 2 incl. mechanical load test up to 5400 Pa, IEC 61730 by TÜV Süd
Extended certificates	High salt mist and ammonium resistance, certified by TÜV Nord
Packaging	868 modules/truck (31 + 31 modules per storage position)



The customer carries the sole responsibility the goods ordered and delivered are suitable for his purposes. Applicational advices, whether verbal, in writing or by making tests are conducted to the best of KIOTO Photovoltaics GmbH's knowledge, whether verbal, in writing or by way of trials or otherwise, is provided to the best of our knowledge, but without any guarantee or liability. Special technical constructions may be subject to official approval. The constructor or the client is responsible for obtaining such official approval. The customer must bear any costs caused by changes or alterations because of special technical constructions, especially for tests or calculations. A project-related, static pre-dimensioning as well as the correct use of the glasses was not carried out or tested by us. Measurement tolerance ±3%