



POWER & POWER HC MODULE

FOR HIGH GLARE REQUIREMENTS

325 Wp black
365 Wp HC black

Low reflection

Suitable for applications with more stringent glare requirements (e.g. next to roads or airports and residential complexes)

Innovative technology

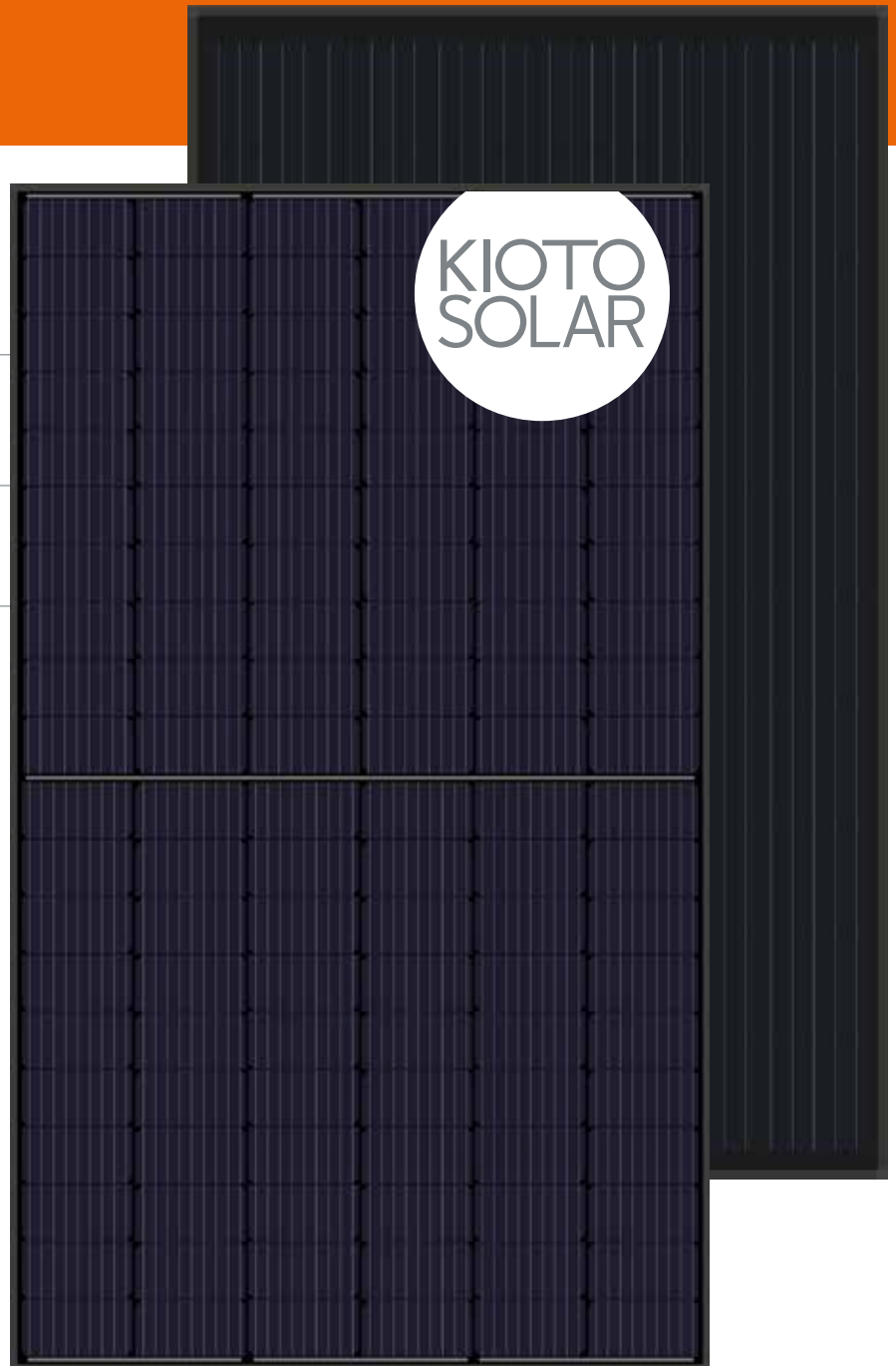
Use of high quality and tested individual components made in Europe

Low weight

Highest load capacity with a low module weight of 20 kg

Design and safety

Intelligent frame concept for technical safety, flexibility and homogeneous design



TOP!
**Premium class with a
stylish black design.**

POWER & POWER HC for high glare requirements

Module data	325 Wp	365 Wp
Color	black	HC black
P _{mp}	325 Wp	365 Wp
U _{mp}	33.81 V	34.91 V
I _{mp}	9.65 A	10.51 A
U _{oc}	40.12 V	40.74 V
I _{sc}	10.09 A	11.03 A
Efficiency	19.31%	19.66%
Space requirement/kWp	5.18 m ²	5.09 m ²

Electrical data	325 Wp	365 Wp
Cells	60 full cells (6 x 10) 158.75 x 158.75 mm (5 busbar)	120 half cells (6 x 20) 166 x 83 mm half-cut (9 busbar)
Connection and plug system	centralised junction box with original Stäubli MC4 connectors	decentralised junction box with original Stäubli MC4 connectors
Max. system voltage	1000 V DC	
Power tolerance	+5 W / -0 W (measurement under standard test conditions)	
Temperature coefficients	P _{mp} -0.37%/K U _{oc} -0.7%/K I _{sc} +2.85 mA/K	P _{mp} -0.36%/K U _{oc} -0.28%/K I _{sc} +0.059%/K
Maximum return current	15 A	
Operating temperature	+85 °C to -40 °C	
Cable length	2 x 1000 mm	2 x 1150 mm
Bypass diodes	3 pieces	
Performance guarantee	min. 97% in the first year, thereafter max. reduction by 0.7% p.a. up to 25 years	
Product guarantee	12 years	

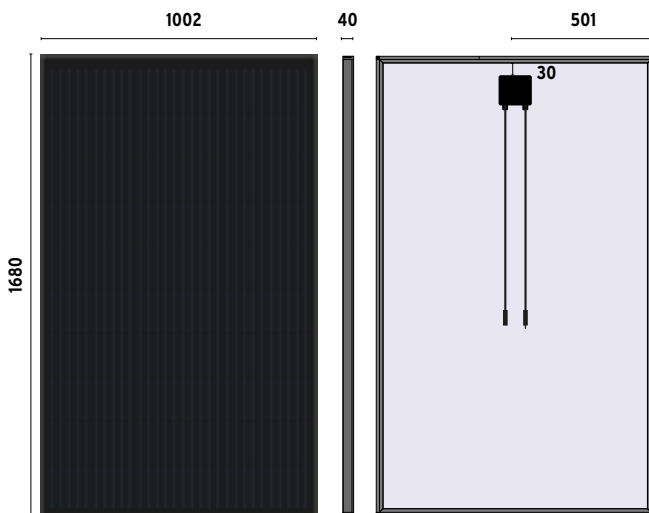
Technical data	325 Wp	365 Wp
Weight	19.50 kg	20.30 kg
Dimensions (HxWxD)	1680 x 1002 x 40 mm (± 3 mm)	1773 x 1047 x 40 mm (± 3 mm)
optical design	black anodised frame, backsheet: front side black, rear side white	
Glass specifications	Solar glass Interfloat Deflect 3.2 mm	
Test certificate	IEC 61215, ed. 2, incl. extended mechanical load test (test load: 8100 Pa; design load: 5400 Pa) up to 5400 Pa, IEC 61730; IP 65	IEC 61215 (test load: 5400 Pa; design load: 3600 Pa); IEC 61730; IP 65
Extended hail test	Qualification for HW4	
Salt mist test	Min. 96 hours in a high-concentrate salt mist	
Ammonia resistance	1500 hours at 750 ppm ammonia concentration	
Packaging configuration	24 modules/pallet, 720 modules/lorry	24 modules/pallet, 672 modules/lorry

Reduced-glare DEFLECT glass

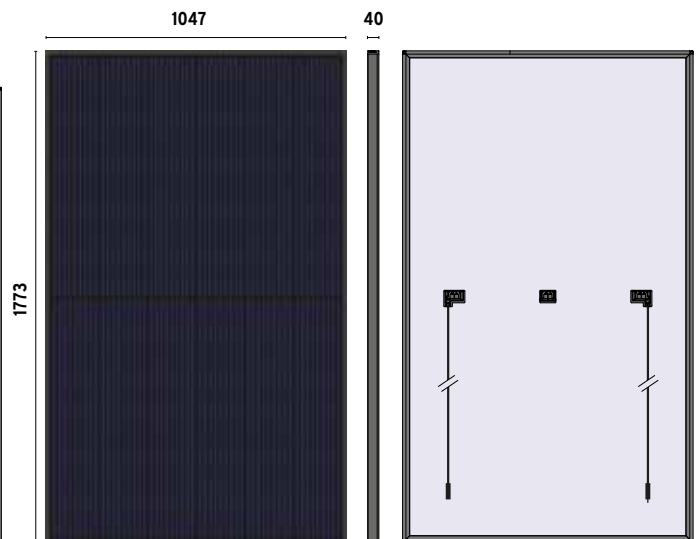
- Light transmission 94.9%
- Light reflection of the front <20,000 cd/m² (black design)
- Low reflection



325 Wp



365 Wp



All specifications in mm; tolerance ± 3 mm

The sole responsibility for ensuring that ordered and delivered goods are suitable for the customer's purposes rests with the customer. Any technical advice provided by SONNENKRAFT ENERGY GmbH, whether verbal, in writing, by means of tests or in any other way, is given to the best of our knowledge, but is subject to the exclusion of any warranty and liability. Special technical designs or special constructions may be subject to official approval. Obtaining such consent is the responsibility of the client or building owner. Any resulting changes in execution or additional services, in particular tests and proof of calculations, shall be borne by the client; we have not carried out or checked any project-related, static pre-dimensioning or the correct use of the glass panels in terms of glass technology. Measurement tolerance ±3%