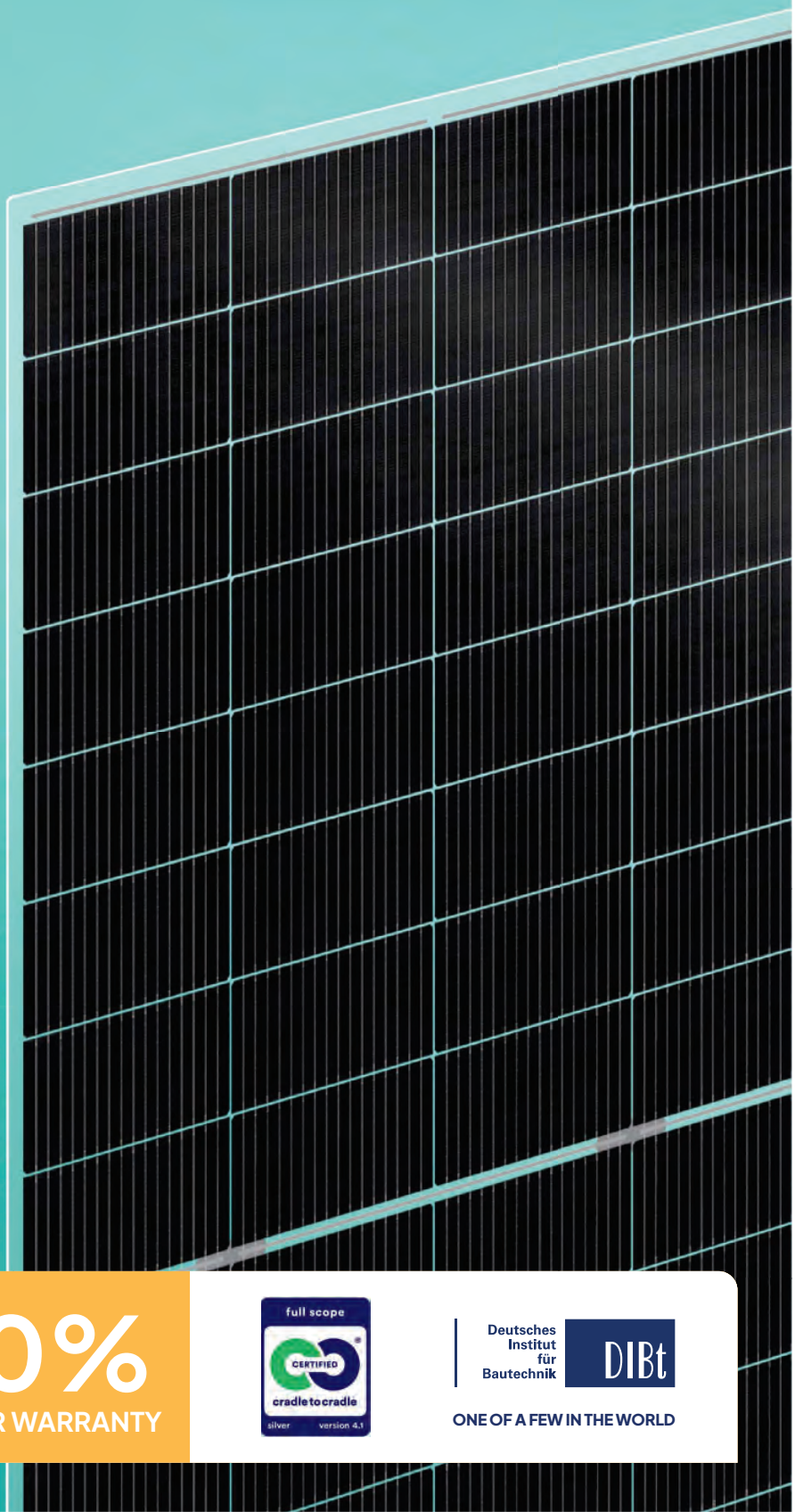
Rev. 20260717

SoliTek

SOLID series

Semi-Clear Frameless



455 W

Made in the EU

3.2+3.2 mm glass

NH₃
Ammonia resistance

40 mm
Hail resistance class 4

98 %
98 % recyclable

GL
35 %
35% of recycled glass content

Salt mist resistance

30 YEAR Product & Efficiency Guarantee

90% POWER WARRANTY

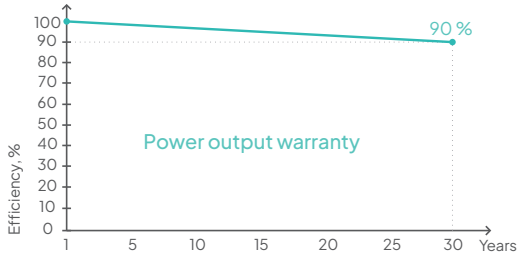
full scope
CERTIFIED
cradle to cradle
silver version 4.1

Deutsches Institut für Bautechnik
DIBt
ONE OF A FEW IN THE WORLD

Electrical data	STC*	BNPI**
Maximum power (W)	455	500
Cell technology	N type, TOPCon - bifacial	
Open circuit voltage (V_{OC}/V)	35,43	35,43
Short circuit current (I_{SC}/A)	15,97	17,57
Max power voltage (Vmpp/V)	29,71	
Max power current (Impp/A)	15,31	
Module efficiency (n)	22,57 %	
Max system voltage (V)	1500	
Max current (A)	30	
Power tolerance	0/+5W	

*Under standard test conditions (STC) of irradiance of 1000W/sq.m., spectrum AM 1.5 and cell temperature of 25°C. Flash testing measurment accuracy of +/-5%.
**BNPI: front 1000W/m2, rear 135W/m2

Warranty	
30 years product warranty	
30 years efficiency warranty	
First year degradation (%)	1
Annual degradation (%)	0,31
Power in year 30 (%)	90



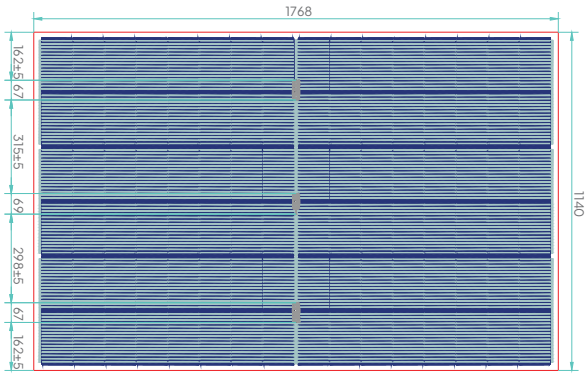
Certifications	
IEC 61215:2021; IEC 61730:2023	
C2C Certified®***	Full Scope, Silver level, Version 4.1
abZ/aBG	National technical approval / General construction permit
IEC 62716:2013	Ammonia corrosion testing
IEC 61701:2020	Salt mist corrosion testing
IEC 61215-2:2021	40 mm hailstone - Hail resistance class 4 (HW4)
ISO 9001:2015	Quality management systems
ISO 14001:2015	Environmental management systems
ISO 45001:2018	Occupational health and safety
SundaHus	A level assessment
Produced using 100% renewable energy	
Membership at Svensk Solenergi	

Packing information	
Modules per pallet (pcs)	25
Dimensions of a pallet (LxWxH) (mm)	1899x1220x1100
Weight of a pallet (gross) (kg)	912
Pallets per 13,6 m truck (pcs)	22
Modules per 13,6 m truck (pcs)	550

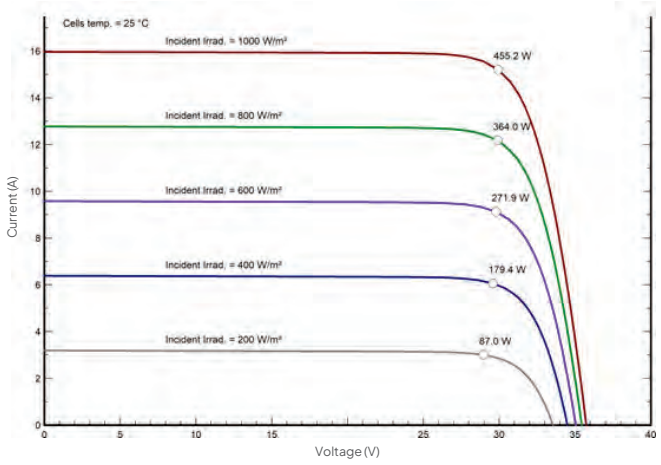
*** - the certification scope is limited to the laminate and does not include the frames

Temperature ratings	
Current temperature coefficient (α)	+0,0371% / °C
Voltage temperature coefficient (β)	-0,2173% / °C
Power temperature coefficient (δ)	-0,2791% / °C
Nominal operating module temperature	46 °C

Mechanical data	
Dimensions (LxWxH) (mm)	1768x1140x7.2
Dimensions with edge sealing (LxWxH) (mm)	1772±2x1144±2x7.2
Weight (kg)	33
Front glass (mm)	3.2, structured, low reflection, with AR coating, TVG
Back glass (mm)	3.2, transparent, TVG
Cell Size (mm)	182,2x105
Busbars	16
Cell configuration	6x16
Frame	Frameless
Rated operating altitude (m)	Up to 2000
Operating temperature (°C)	-40 ÷ +85
Maximum test load (wind/snow) (Pa)	5400/10500
Junction box / IP class	Split junction box / IP68
Cable cross section size (mm^2)	4
Cable length (m)	1,2
Bypass diodes	3
Connector	MC4-EVO2



Performance at Low Irradiance



SoliTek

This datasheet is not legally binding. The manufacturer reserves the right to make changes to product specifications and / or product features without prior notice. The most recent versions of all documents (T&C's, datasheets, warranties and installation manuals) can always be found on our website at www.solitek.eu

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