












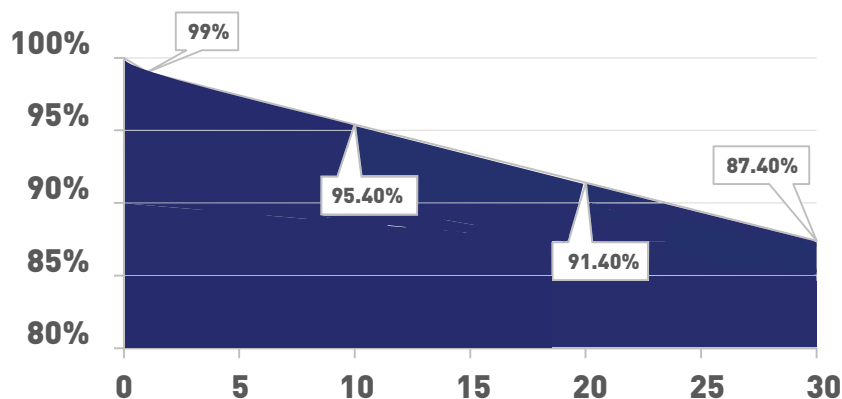
RCT 54-108 DG AB Performance



-  **Highest power output**
440 W – 460 W power
-  **Superior efficiency**
Module >23%
-  **Optimized for efficiency**
Glass - glass, bifacial and robust design
-  **Advanced technology**
N-type+ cells
-  **Long-term reliability**
30 years power output
-  **Power tolerance**
Guaranteed + 0 - 5W
-  **European guarantee**
Full 30 years of guarantee
-  **Total output:**
Best field performance



PERFORMANCE WARRANTIES

-  **Unmatched Warranty:** Leading 30-years product and performance warranty.
-  **Quality Assurance:** Committed to quality, with advanced manufacturing ensuring long-term durability and performance.
-  **Minimal Degradation:** LID and LeTID-resistant n-type cells limit degradation to 1% in year one and 0.4% per year thereafter.



-  **Product Guarantee**
30 years
-  **Performance Guarantee**
30 years



Solar Modules
made in Europe for Europe.

RCT 54-108 DG AB Performance

PERFORMANCE PARAMETERS

Electrical properties: front side @STC

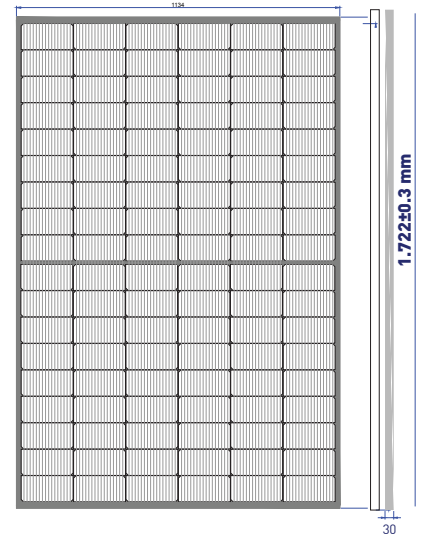
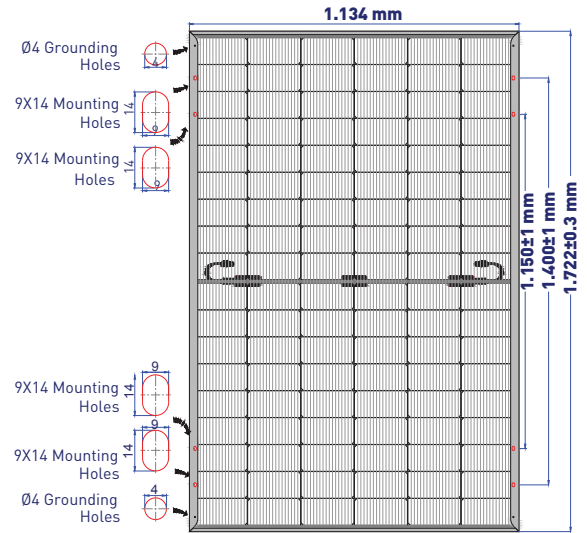
Peak power P _{mp} (W)	440	445	450	455	460
V _{mp} (V)	33.19	33.49	33.78	34.07	34.37
I _{mp} (A)	13.26	13.29	13.32	13.36	13.39
V _{oc} (V)	38.38	38.60	38.81	39.03	39.24
I _{sc} (A)	14.16	14.23	14.29	14.35	14.42
Module efficiency (%)	22.5%	22.8%	23.0%	23.3%	23.6%

Bifacial power output

10%	P _{mp} (W)	484	490	495	501	512
20%	P _{mp} (W)	528	540	546	546	552
30%	P _{mp} (W)	572	585	592	592	598

Mechanical properties

Cells	Cell type	Mono-crystalline	Mounting	Mounting holes	8 pcs, 9 mm diameter and 14 mm long
		n-type+ technology		Position	1.400 mm, 1.150 mm
	Wafer size	182.2 mm * 183.75mm			(from center)
	Amount	108 half cells		Grounding holes	6 pcs, 4 mm diameter
Module dimensions	Length	1.722 mm	Junction box	Design	3-split
	Width	1.134 mm		Safety	IP68
	Thickness	30 mm		Connector	MC4-EVO2
	Weight	25 kg		Rated current	25 A



System properties

Operating temperature	-40 to +80 °C
Maximum system voltage	1500 V DC (IEC)
Maximum series fuse rating	30 A
Power tolerance	0 to + 5 Wp
Fire rating (IEC 61730)	Class C
Appliance class (IEC 61140)	II
Maximum mechanical load (static)	-2.400 Pa / +5.400 Pa

Temperature coefficient

Temp. coefficient of P _{max}	-0.260 %/K
Temp. coefficient of V _{oc} (V)	-0.024 %/K
Temp. coefficient of I _{sc} (A)	0.046 %/K
Nominal operating cell temperature (NOCT)	45 °C

Qualifications and Certifications

IEC 61215 / IEC 61730
ISO 14001-2015, ISO 9001-2015

