







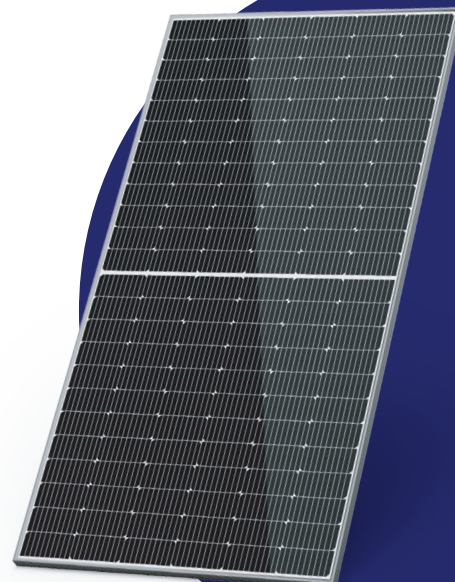


Built for High Efficiency, Strength, and Sustainability  
**Next-Generation Solar Modules**



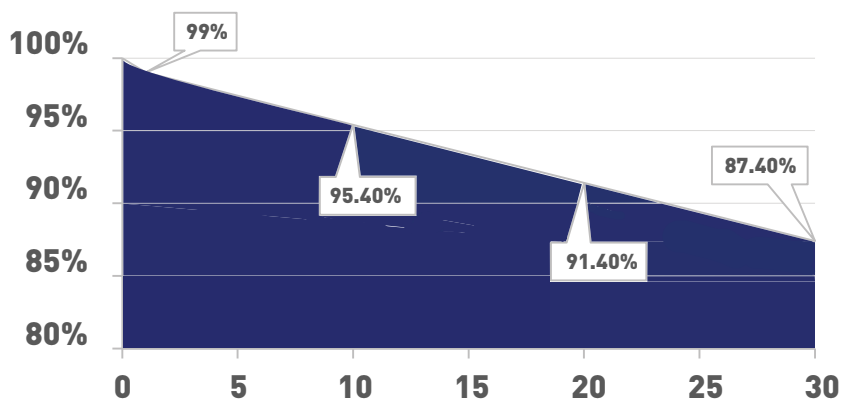
## RCT 72-144 DG WH Performance



-  **Highest power output**  
585 W – 605 W power
-  **Superior efficiency:**  
Module >23.00%
-  **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



# RCT 72-144 DG WH Performance

## PERFORMANCE PARAMETERS

### Electrical properties: front side @STC

Peak power P <sub>mp</sub> (W)	585	590	595	600	605
V <sub>mp</sub> (V)	44.16	44.45	44.75	45.04	45.33
I <sub>mp</sub> (A)	13.25	13.27	13.30	13.32	13.35
V <sub>oc</sub> (V)	51.10	51.32	51.54	51.75	51.97
I <sub>sc</sub> (A)	14.15	14.19	14.24	14.29	14.34
Module efficiency (%)	22.6%	22.8%	23.0%	23.2%	23.4%

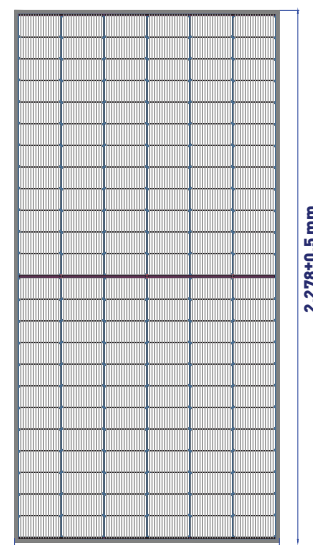
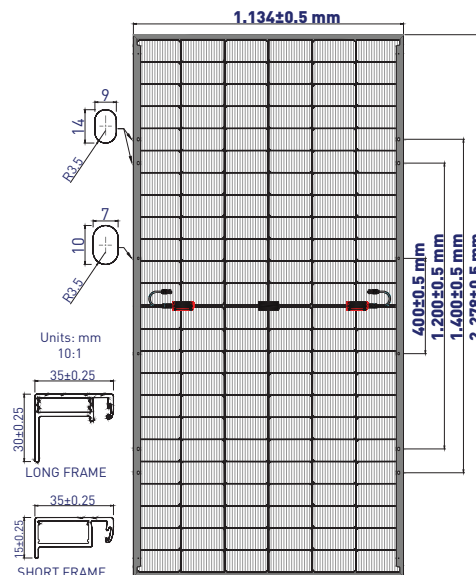
### Bifacial power output

+10%	P <sub>mp</sub> (W)	644	649	655	660	666
+20%	P <sub>mp</sub> (W)	702	708	714	720	726
+30%	P <sub>mp</sub> (W)	761	767	774	780	787

STC: 1000 W/m<sup>2</sup>, AM 1.5, Cell 25 °C; BNPI: front 1000 W/m<sup>2</sup>, rear 135 W/m<sup>2</sup>

### Mechanical properties

Cells	Cell type	Mono-crystalline	Mounting	Mounting holes	12 pcs, 9 mm diameter and 14 mm long
		n-type+ technology		Position	1.400 mm, 1.200 mm
	Wafer size	182.2 mm * 183.75 mm		Grounding holes	8 pcs, 4 mm diameter
	Amount	144 half cells			
Module dimensions	Length	2.278 mm	Junction box	Design	3-split
	Width	1.134 m		Safety	IP68
	Thickness	35 mm		Connector	MC4-EV02
	Weight	35 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 <sub>max</sub>	-0.260 %/K
Temp. coefficient of V <sub>oc</sub> (V)	-0.024 %/K
Temp. coefficient of I <sub>sc</sub> (A)	0.046 %/K
Nominal operating cell temperature (NOCT)	45 °C

### Qualifications and Certifications

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

