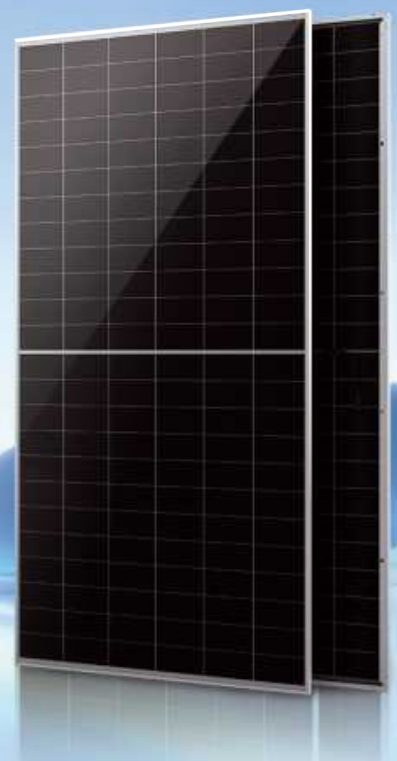
Cora Dawn
solar

AURA 1.0

72 Dual-glass Bifacial N-TYPE-BC Module

595-625W



15-year Warranty for Materials and Processing

30-year Warranty for Extra Linear Power Output

CD-A595-625MAH72Dw/2278 Series

595-625W	24.2%	0~3%	≤1%	≤0.35%	BC-CELL
Maximum power output	Highest efficiency	Power tolerance	First year power attenuation	2-Annual power attenuation for 2-30 years	Lower operating Temperature

Trust in CD's long-term and stable quality

- World class manufacturer of crystalline silicon photovoltaic modules
- Fully automated production line and leading photovoltaic technology
- Through various long-term reliability tests
- EL testing is conducted before and after lamination to effectively ensure the reliability of the components
- Adopting strict international standard management systems ISO9001, ISO 14001, and ISO 45001
- Through various rigorous environmental tests (salt spray, ammonia water, and sandstorm corrosion tests IEC61701, IEC62716, DIN EN 60068-2-68)

Suitable for industrial and commercial, household distributed, and large-scale ground power stations

Non destructive cutting, straight welding, reducing the risk of hidden cracks in battery cells

Adapt to harsh outdoor environments through weather resistance tests such as dust, salt spray, ammonia, etc

N-type BC components have superior reliability, lower temperature coefficient, and excellent performance such as heat spot resistance

Selected packaging materials and strict process schemes ensure the anti PID capability of components

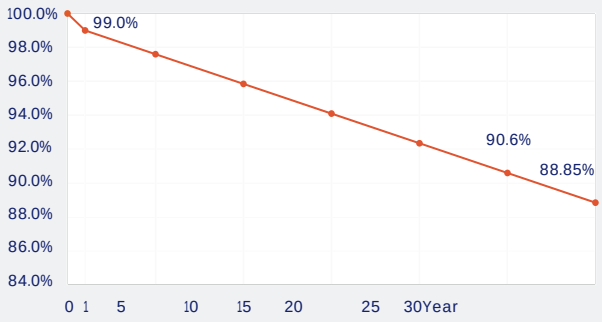
Large sized silicon wafers and high-power components can reduce costs such as brackets, combiner boxes, cables, and land This will dilute the cost of a single watt system

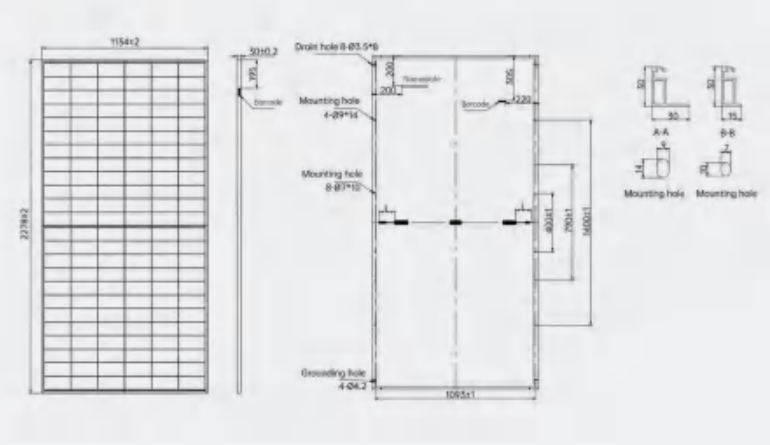
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Tolerance
L: ±2mm
W: ±2mm
Unit: mm

30-year Linear Performance Warranty

Guaranteed Module Performance





Electrical Characteristics (STC: AM1.5 1000W/m² 25℃ NOCT: AM1.5 800W/m² 20℃ 1m/s)

Power Tolerance:0~+3%

Module Type	595		600		605		610		615		620		625	
Test Conditions	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Pmax [W]	595	448	600	452	605	456	610	459	615	463	620	467	625	471
Voc [V]	53.98	50.97	54.11	51.09	54.23	51.21	54.34	51.32	54.44	51.41	54.57	51.53	54.70	51.66
Vmp [V]	44.7	42.23	44.8	42.32	44.9	42.41	45.00	42.50	45.10	42.59	45.20	42.69	45.30	42.78
Isc [A]	14.06	11.35	14.14	11.43	14.22	11.50	14.30	11.57	14.38	11.63	14.46	11.70	14.54	11.76
Imp [A]	13.32	10.61	13.40	10.68	13.48	10.75	13.56	10.82	13.64	10.89	13.72	10.95	13.80	11.01
Module Efficiency	23.0%		23.2%		23.4%		23.6%		23.8%		24.0%		24.2%	

Product Specification

Bifacial Factor	70±5%
Cell Type	N-Type BC
Glass	Dual glass, 2.0+2.0mm coated semi tempered glass
Frame	Anodized aluminum
Cable	4mm²(IEC) 12AWG(UL) +400mm,
	-200mm/±1400mm or Customized Length
No. of Cells	144(6*24)
Junction Box	IP68, 3 bypass diodes
Connector	MC4 Compatible/Original MC4-EVO2A
Weight	27.1kg±3%
Dimension	2278*1134*30mm
Package Detail	36pcs per pallet / 144pcs per 20'GP / 720pcs per 40'HC

Temperature Ratings (STC)

Temperature Coefficient of Isc	+ 0.05%/°C
Temperature Coefficient of Voc	- 0.22%/°C
Temperature Coefficient of Pmax	- 0.26%/°C

Installation Guide

Operation Temperature	-40°C - +85°C
Maximum Series Fuse Rating	25A
Protection Class	Class II
Voc and Isc Tolerance	±3%
Maximum System Voltage	DC1500V
Maximum Static Loading	Front 5400Pa Back 2400Pa
Hail Test	25 mm diameter hail at 23m/s
Fire Rating	IEC Class A

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