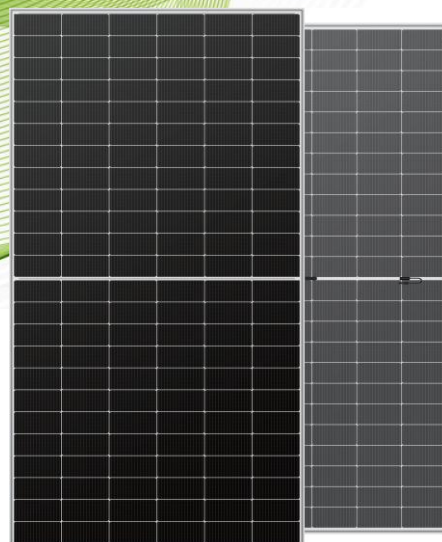



N-Type

144cells (Bifacial)

570W - 595W


As a leading provider of integrated energy solutions in Korea.

We deliver a wide spectrum of technologies across solar generation, storage, and power management.

We are committed to innovation-driven competitiveness, long-term value creation, and sustainable growth with our customers.

Certificates



ISO

- ISO 9001:2015
- ISO 45001:2018



Test Standard

- IEC 61215
- IEC 61730
- UL 61730



Quality

- Over 50 years of manufacturing experience (from 1966)
- Having own official laboratory approved by TUV SUD

Key Features



Linear Performance Warranty

- 12 years product warranty
- 30 years performance warranty (88.90%)



1500V

- Designed for UL and IEC 1,500V
- Saving BoS costs



Mechanical Load

- Front 5,400 Pa (Snow load)
- Back 2,400 Pa (Wind load)

AD-NGEA0 Series

| 570W - 595W TOPCon | Half-Cut 144Cells |

HAxxxAD-NGEA0		HA570AD-NGEA0	HA575AD-NGEA0	HA580AD-NGEA0	HA585AD-NGEA0	HA590AD-NGEA0	HA595AD-NGEA0
Max Power	Pmax(Wp)	570	575	580	585	590	595
Voltage at Pmax	Vmp(V)	42.07	42.22	42.37	42.52	42.67	42.82
Current at Pmax	Imp(A)	13.55	13.62	13.69	13.76	13.83	13.90
Open Circuit Voltage	Voc(V)	50.74	50.88	51.02	51.16	51.30	51.44
Short circuit Current	Isc(A)	14.31	14.39	14.47	14.55	14.63	14.71
Module efficiency	%	22.07%	22.26%	22.45%	22.65%	22.84%	23.03%
Temperature Coefficient of Isc		+ 0.046 [%/°C]					
Temperature Coefficient of Voc		- 0.25 [%/°C]					
Temperature Coefficient of Pmax		- 0.30 [%/°C]					
NOCT	°C	43±2°C					

ELECTRICAL PARAMETERS AT BSTC**							
Front Power	Pmax (Wp)	630	635	640	645	650	655
Voltage at Pmax	Vmp(V)	42.06	42.31	42.51	42.52	42.66	42.82
Current at Pmax	Imp(A)	14.98	15.01	15.11	15.17	15.24	15.37
Open Circuit Voltage	Voc(V)	50.74	50.88	51.02	51.16	51.30	51.44
Short circuit Current	Isc(A)	15.81	15.93	16.02	16.11	16.20	16.29
Module Efficiency	STC(%)	24.39%	24.58%	24.77%	24.97%	25.16%	25.36%

**BSTC: Front side irradiation 1000W/m², Back side reflection irradiation 135W/m², AM=1.5, Cell temperature 25°C.

Mechanical Data	
Dimension	2278 x 1134 x 30/35 mm (89.69"x44.65"x1.18/1.37")
Weight	32/32.3kg (70.55lb)
Junction Box	IP68 with 3Bypass diode
Frame	Anodized Aluminium Alloy, silver or black
Connector	MC4-EVO2
Glass	2.0+2.0mm, heat strengthened glass
Cable	300mm in length or Customized Length

System Design	
Max. System Voltage	1500V/DC(IEC)
Max. Series Fuse rating	30A
Max. Reverse Current	30A

Operational & Testing Condition	
Operational Temperature	-40°C ~ 85°C
Max. Test Load (Push)	5400 Pa

Packaging	
30mm	36 pcs / pallet, 720 pcs / 40'HQ
35mm	31 pcs / pallet, 620 pcs / 40'HQ

