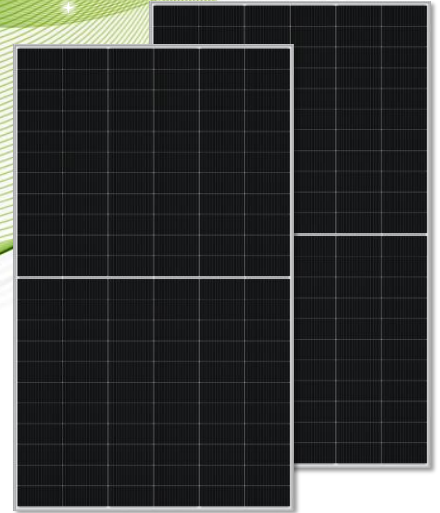




N-Type

156cells (Bifacial)

625W - 650W



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 50years 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 (87.40%)



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)

AC-NRJA0 Series

| 625W - 650W TOPCon | Half-Cut 156Cells |

HAxxxAC-NRJA0		HA625AC-NRJA0	HA630AC-NRJA0	HA635AC-NRJA0	HA640AC-NRJA0	HA645AC-NRJA0	HA650AC-NRJA0
Max Power	Pmax(Wp)	625	630	635	640	645	650
Open Circuit Voltage	Voc(V)	48.30	48.50	48.70	48.89	49.09	49.32
Short Circuit Current	Isc(A)	12.94	12.99	13.04	13.09	13.14	13.18
Voltage at Pmax	Vmp(V)	57.48	57.58	57.68	57.78	57.89	57.99
Current at Pmax	Imp(A)	13.53	13.59	13.65	13.71	13.77	13.83
Module efficiency	%	22.36	22.53	22.71	22.89	23.07	23.25
Temperature Coefficient of Isc		+ 0.045 [%/°C]					
Temperature Coefficient of Voc		- 0.25 [%/°C]					
Temperature Coefficient of Pmax		- 0.29 [%/°C]					
NOCT	°C	42±2 °C					

Electrical Characteristics With Rear Side Power Gain							
Front power	Pmax(Wp)	625	630	635	640	645	650
Total power	Pmax(Wp)	690	695	700	705	710	715
Open Circuit Voltage	Voc(V)	48.42	48.58	48.75	48.91	49.07	49.28
Short Circuit Current	Isc(A)	14.25	14.31	14.36	14.42	14.47	14.51
Voltage at Pmax	Vmp(V)	57.50	57.60	57.70	57.80	57.90	58.01
Current at Pmax	Imp(A)	14.90	14.97	15.03	15.10	15.16	15.23

All data accordance with STC of real side power generation will not guarantee as they may depending on installation location, side, angle and other things.
 NOCT : Irradiance on cell surface 800 W/m², Air Temperature 20°C, Wind Velocity 1m/s, Mounting open back side.

Mechanical Data	
Dimension	2465 x 1134 x 30 mm
Weight	33.2kg
Junction Box	IP68, 3 diodes
Frame	Anodized aluminium alloy
Glass	2.0mm, AR coated semi-toughened glass 2.0mm, semi-toughened glass
Cable	4mm ² , + : 300mm/- : 200(Customizable)

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

Operational & Testing Condition	
Operational Temperature	-40°C ~ 85°C
Max.Test Load (Push)	Front 5400 Pa / Back 2400 Pa

Packaging
 36 pcs / pallet, 720 pcs / 40'HQ

PV module dimensions (mm)

