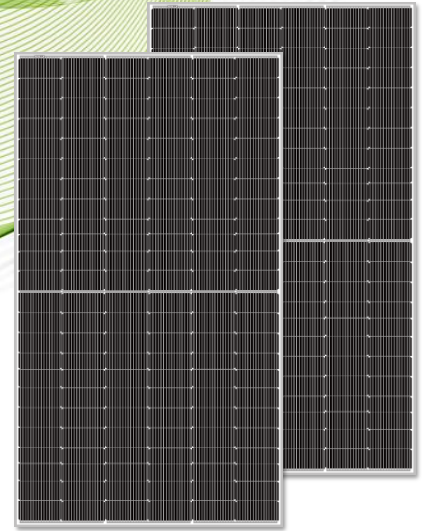



N-Type

144cells (Bifacial)

575 - 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 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 (88.90%)



1000V or 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-NNEA0 Series

| 575W - 595W TOPcon | Half-Cut 144Cells |

HAxxxAD-NNEA0		HA575AD-NNEA0		HA580AD-NNEA0		HA585AD-NNEA0		HA590AD-NNEA0		HA595AD-NNEA0	
		STC (NOCT)		STC (NOCT)		STC (NOCT)		STC (NOCT)		STC (NOCT)	
Max Power	Pmax(Wp)	575	434	580	438	585	442	590	446	595	450
Voltage at Pmax	Vmp(V)	42.6	40.0	42.8	40.2	43.0	40.4	43.2	40.6	43.4	40.8
Current at Pmax	Imp(A)	13.50	10.83	13.56	10.88	13.62	10.93	13.68	10.98	13.74	11.03
Open Circuit Voltage	Voc(V)	51.3	48.4	51.5	48.6	51.7	48.8	51.9	49.0	52.1	49.2
Short circuit Current	Isc(A)	14.29	11.53	14.35	11.58	14.41	11.63	14.47	11.68	14.53	11.73
Module efficiency	%	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	44±2 °C									

Electrical Characteristics With 25% Rear Side Power Gain						
Front power	Pmax (Wp)	575	580	585	590	595
Total power	Pmax (Wp)	637	643	648	654	659
Voltage at Pmax	Vmp(V)	42.60	42.80	43.00	43.20	43.40
Current at Pmax	Imp(A)	14.96	15.02	15.09	15.16	15.22
Open Circuit Voltage	Voc(V)	51.30	51.50	51.70	51.90	52.10
Short circuit Current	Isc(A)	15.83	15.90	15.97	16.03	16.10

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.

Mechanical Data	
Dimension	2278 x 1134 x 30/35 mm (89.69"x44.65"x1.18/1.37")
Weight	31.5kg (69.45lb)
Junction Box	IP68 with bypass diode
Frame	Anodized Aluminum (Silver)
Connector	MC4 original or MC4-EVO2
Glass	2.0mm+2.0mm heat strengthened glass
Cable	(+) 350mm, (-) 350mm, 12AWG

System Design	
Max.System Voltage	1500 VDC
Max.Series Fuse rating	30A
Max.Reverse Current	30A

Operational & Testing Condition	
Operational Temperature	-40 °C ~ 85 °C (-40 °F ~ 185 °F)
Max.Test Load (Push)	5400 Pa

Packaging	
Frame 30T	36 pcs / pallet, 720 pcs / 40'HQ
Frame 35T	31 pcs / pallet, 620 pcs / 40'HQ

