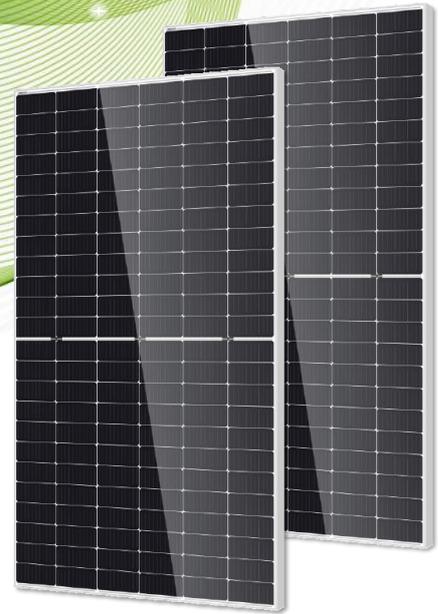





144cells

(Bifacial)
(540 - 555W)



Those who dream a better future can help lead to a more meaningful and enriched world.

As a leading solar module manufacturer in Korea, we never stop to achieve competitiveness through differentiation, implement the maximum value, and commit to sustainable development with customers.

Certificates



ISO

- ISO 9001:2015
- ISO 14001:2015
- 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
- 25 years performance warranty



Company Credit

- ICR (Issuer Credit Rating) BBB
- Listed on Korean Index



Mechanical Load

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



1000V or 1500V

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

YD-GDEA0 Series

| 540W - 555W PERC | Half-Cut 144Cells |

HAxxxYD-GDEA0		HA540YD-GDEA0	HA545YD-GDEA0	HA550YD-GDEA0	HA555YD-GDEA0
Max Power	Pmax(Wp)	540	545	550	555
Voltage at Pmax	Vmp(V)	41.16	41.32	41.48	41.64
Current at Pmax	Imp(A)	13.12	13.19	13.26	13.33
Open Circuit Voltage	Voc(V)	49.59	49.74	49.89	50.04
Short circuit Current	Isc(A)	13.97	14.04	14.11	14.18
Module efficiency	%	20.90%	21.10%	21.29%	21.48%
Temperature Coefficient of Isc		0.063 [%/°C]			
Temperature Coefficient of Voc		- 0.269 [%/°C]			
Temperature Coefficient of Pmax		- 0.335 [%/°C]			
NOCT	°C	42±3 °C			

Bifacial Output-Rearside Power Gain (*BSTC)					
Bifacial Gain	Unit	540W	545W	550W	555W
10%	Pmax (Wp)	594	600	605	611
20%	Pmax (Wp)	648	654	660	666
30%	Pmax (Wp)	702	709	715	722

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.

* BSTC : Front side irradiation 1000 W/m², back side reflection irradiation 135 W/m², AM 1.5, ambient temperature 25 °C

Mechanical Data	
Dimension	2278 x 1134 x 30 mm
Weight	32kg
Junction Box	IP68 with bypass diode
Frame	Anodized Aluminum (Silver)
Connector	PV-ZH202B or MC4-EVO 2A
Glass	Front, 2.0mm, ARC,Heat strengthened glass Back, 2.0mm, Heat strengthened glass
Cable	(+)1300mm, (-)1300mm 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
36 pcs / pallet, 720 pcs / 40'HQ

