

SMART VITRUM



Monocrystalline Photovoltaic Module

Glass-Glass 680 - 700 W

HJT TWE HCD



132 cells | G12 Technology



Planet-Friendly

Made from more sustainable materials



30 years Product Warranty

30 years Linear Warranty

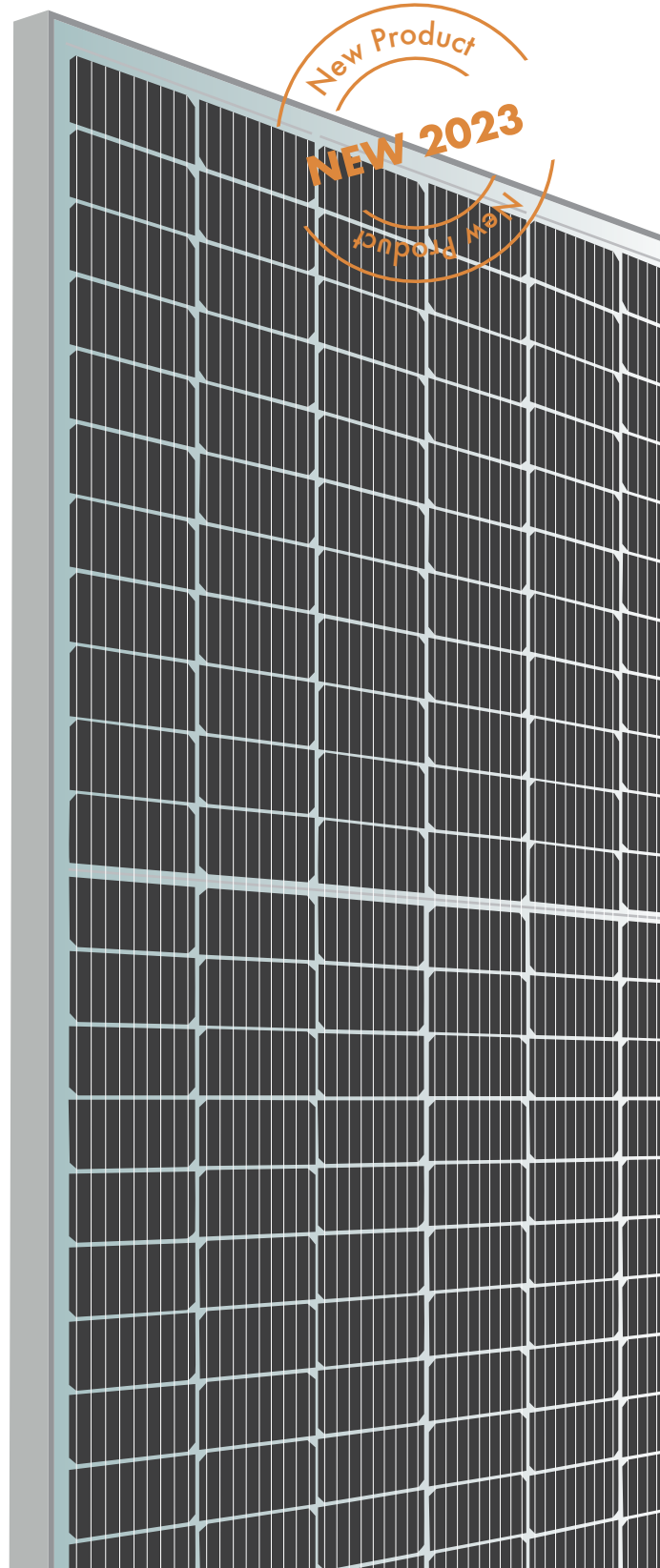


High quality double glass and strong resistance in extreme weather conditions



Maximized results

thanks to cutting-edge technology



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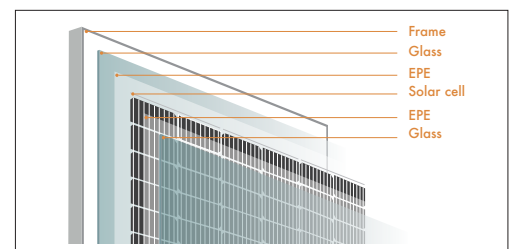
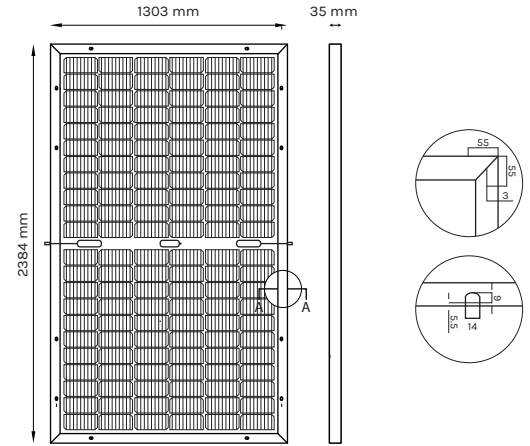
Monocrystalline Photovoltaic Module

Glass-Glass 680 - 700 W HJT TWE HCD



TECHNICAL FEATURES

Cells:	132 (6x22) HJT Monocrystalline Silicon
Available in:	G12
Frontal Glass:	Coated semi tempered glass A/R Thickness 2 mm
Back Glass:	Semi tempered glass Thickness 2 mm
Encapsulant:	EPE
Frame:	Silver anodized aluminum 15 micron Grounding holes (For more information please contact our sales team)
Junction Box:	IP68 - 1500 V with 3 by pass diodes Cables length 30 cm Section: 4,0 mm ² ± 1% tolerance
Connectors:	MC4 or compatible connector



WEIGHT, DIMENSIONS AND PACKAGING

39 Kg | 2384 mm x 1303 mm x 35 mm | 31 pcs pallet | 558 pcs truck

ELECTRICAL CHARACTERISTICS *

	HJT TWE HCD 680W	HJT TWE HCD 685W	HJT TWE HCD 690W	HJT TWE HCD 695W	HJT TWE HCD 700W
Peak power: Pmax (W)	680	685	690	695	700
Voltage Pmax: Vmpp (V)	41.49	41.65	41.80	41.95	42.10
Current Pmax: Impp (A)	16.39	16.45	16.51	16.57	16.63
Open circuit voltage: Voc (V)	49.50	49.66	49.82	49.98	50.13
Short-circuit current: Isc (A)	17.19	17.25	17.31	17.37	17.43
Classification tolerance:	0/+5 W	0/+5 W	0/+5 W	0/+5 W	0/+5 W
Maximum system voltage: (V)	1500	1500	1500	1500	1500
Module efficiency: (%)	21.90	22.10	22.20	22.40	22.50
Maximum fuse rating: (A)	30	30	30	30	30

*STC values: 1000W/m², AM 1.5, temperature 25°C. Measurement tolerance +/-3% (AAA Solar simulation - IEC 60.904-9).

TEMPERATURE CHARACTERISTICS

Temperature Coeff. of Voc:	-0,25 % / °C
Temperature Coeff. of Isc:	+0,05 % / °C
Temperature Coeff. of Pmax:	-0,26 % / °C

OPERATIVE CHARACTERISTICS

Operating Temperature:	from -40°C to +85°C
Hailstorm Resistance:	Ø 25 mm, 86 Kg/h
NMOT*:	45 ± 2 °C

*Nominal Module Operating Temperature: Irradiance 800W/m², Temperature 20°C, Wind speed 1m/s

WARRANTIES

30 YEARS
Product Warranty

30 YEARS
Linear Warranty

PREMIUM
+5

SOLARDAY CERTIFICATES

IEC 61215:2016 | EN 61730-1:2016 | EN 61730-2:2016
UNI 9177 Class 1 Fire Class | FIRE TEST MST23 CLASSE C
IEC 62716:2013 | IEC 61701:2011
ECOEM

UNI EN ISO 9001:2015
UNI EN ISO 14001:2015
UNI EN ISO 45001:2018
CE

Read the instruction manual for this product before proceeding with the installation. In light of continuous technical development, all information in this brochure may be modified by Solarday without notice.

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