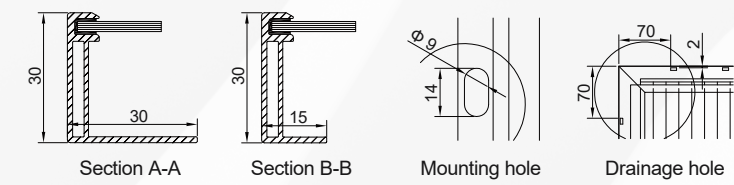
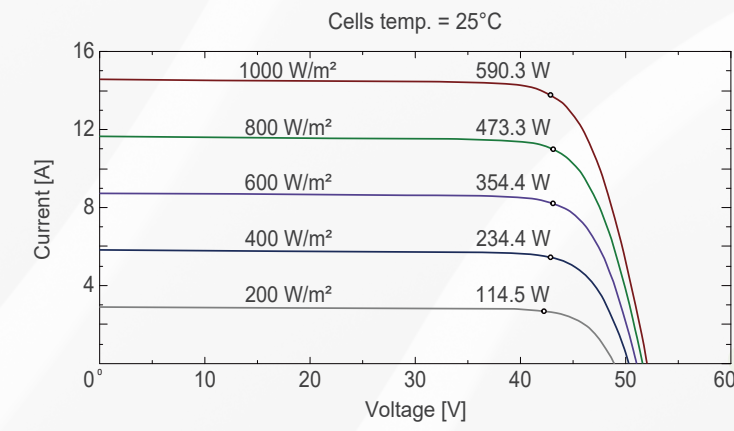
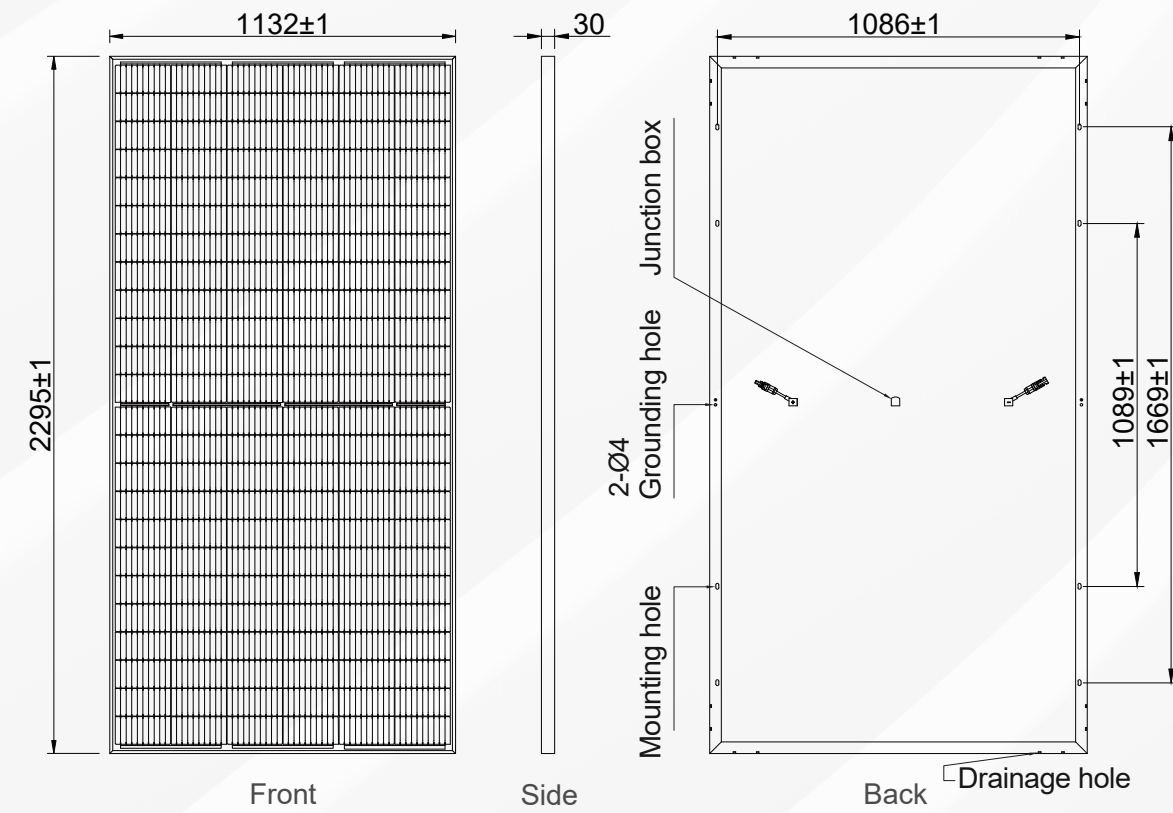


ECO-72TC 580W-600W

N-TYPE TOPCON TECHNOLOGY PV MODULE



Electrical specifications (STC*):

Parameter	P _{max} (Wp)	580	585	590	595	600
Nominal max. Power	P _{max} (Wp)	580	585	590	595	600
Maximum operating voltage	V _{MPP} (V)	44.83	45.27	45.53	45.80	46.08
Maximum operating current	I _{MPP} (A)	12.94	12.96	12.98	13.00	13.03
Open-circuit voltage	V _{oc} (V)	51.20	51.24	51.29	51.39	51.54
Short-circuit current	I _{sc} (A)	14.08	14.10	14.11	14.11	14.12
Module efficiency	η (%)	22.32	22.52	22.71	22.90	23.09
Power tolerance	(W)	0~+5				
Maximum system Voltage	(V)	1500				
Maximum series fuse rating	(A)	30				

*STC: Standard Test Conditions (irradiance 1000 W/m², cell temperature 25°C and air mass of AM1.5), measurement tolerance P_{max}: ±3%

Electrical specifications (NMOT*):

Parameter	P _{max} (Wp)	434.0	437.4	440.0	445.0	448.0
Nominal max. Power	P _{max} (Wp)	434.0	437.4	440.0	445.0	448.0
Maximum operating voltage	V _{MPP} (V)	39.70	39.80	39.90	40.13	40.22
Maximum operating current	I _{MPP} (A)	10.94	10.99	11.04	11.09	11.14
Open-circuit voltage	V _{oc} (V)	47.80	48.00	48.20	48.40	48.60
Short-circuit current	I _{sc} (A)	11.50	11.55	11.60	11.65	11.70

*NMOT: Normal Module Operating Temperature (irradiance 800 W/m², ambient temperature 20°C, air mass of AM1.5 and wind speed of 1 m/s)

Mechanical and design specification

Cell type	n-Type TOPCon technology, half-cut cells
No. of cells	144
Front cover	2.0 mm glass, high transmission, AR coated, tempered
Encapsulation	POE
Back cover	2.0 mm glass, high transmission, tempered
Junction box	IP68 rated, 3 bypass diodes
Frame	30 mm anodized aluminium alloy
Cable	1 x 4 mm ² , 350 mm length or customized
Connectors	MC 4 / MC 4 compatible
Dimension	2295 mm x 1132 mm x 30 mm
Weight	32 kg
Hail resistance	Max. Ø 25 mm at 23 m/s
Wind load	2400 Pa or 244 kg/m ²
Snow load	5400 Pa or 550 kg/m ²

Temperature ratings

Operating temperature	-40 to +85°C
Temp. coefficient of P _{max}	-0.29 %/°C
Temp. coefficient of V _{oc}	-0.25 %/°C
Temp. coefficient of I _{sc}	0.046 %/°C
Nom. operating cell temp. NOCT	42 ± 2°C

Packaging information

Packaging configuration	36 pcs / pallet
Loading capacity	720 pcs / 40 HQ
Size / Pallet	2310 mm x 1140 mm x 1245 mm
Weight	1.175 kg / pallet

DOUBLE-GLASS

