

DAX 144 TC

Monofacial Module N-Type TOPCON

580-590W

Power

22,84%

Maximum Efficiency



HIGHER POWER OUTPUT

Highest Performance and efficiency on the market



TECHNOLOGY

N-Type TOPCON



MECHANICAL LOAD

5400 Pa Front / 2400 Pa Back



FIRE CLASS

Class 1 UNI 9177 and EN 13501-1 Class E



ENVIRONMENT CONDITION

Resistant to harsh environments



POWER CLASS

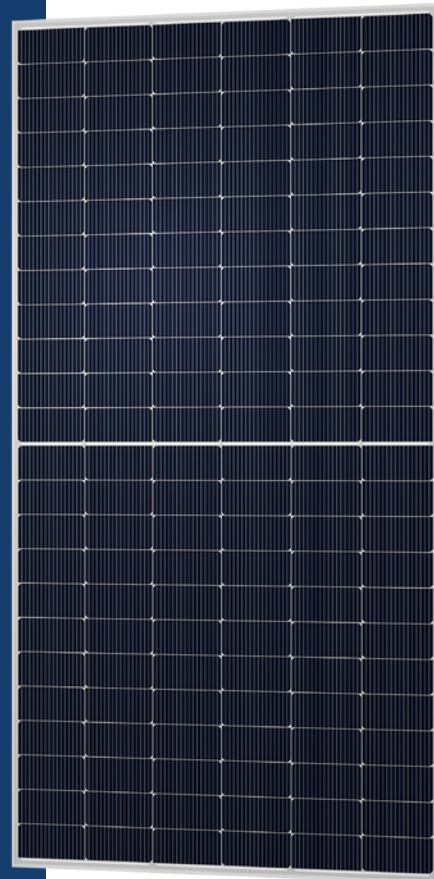
0+4,99 Watt Positive Tolerance



WARRANTY

20 years product warranty
30 years linear power output warranty

MADE IN EUROPE



20 YEARS
PRODUCT
WARRANTY

30 YEARS
LINEAR
POWER
OUTPUT
WARRANTY

Certifications

IEC 61215:2021 - IEC 61730:2023

ISO 9001:2015 - ISO 14001:2015 - ISO 45001:2018



IEC 62716
**AMMONIA
RESISTANCE**



IEC 60068
**DUST AND
SAND**



IEC 62804
PID



IEC 61701
SALT MIST



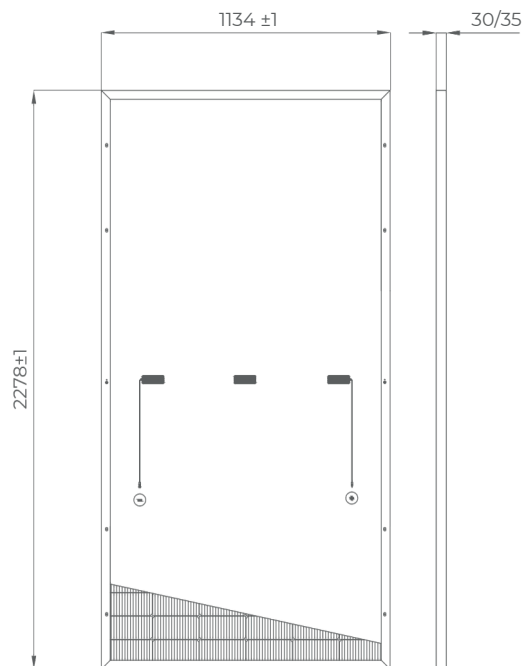
daxsolar.it/en

	DAX 144 TC10 580		DAX 144 TC10 585		DAX 144 TC10 590	
	STC	NMOT	STC	NMOT	STC	NMOT
Maximum power - Wp [W]	580	468	585	472	590	476
Maximum power voltage - Vmp [V]	43,52	41,45	43,83	41,74	44,07	41,97
Maximum power current - Imp [A]	13,33	11,11	13,35	11,13	13,39	11,16
Open circuit voltage - Voc [V]	51,19	48,75	51,21	48,77	51,24	48,80
Short circuit current - Isc [A]	14,08	11,73	14,14	11,78	14,26	11,88
Module efficiency - [%]	22,45		22,65		22,84	
Power class - [W]	-0 + 4,99					
Maximum system voltage - [V]	1500 DC					
Maximum series fuse rating - [A]	30					

STC VALUE: 1000 W/m², AM 1.5, temperature 25 °C. | NMOT: 800 W/m², AM 1.5, temperature 20 °C, wind speed 1 m/s, tolerance +/-3 %

Mechanical parameter	
Module dimension	2278 x 1134 x 30 (35*) mm
Weight	27 kg
Solar cells technology	N-Type TOPCON M10
No. of cells	144 half cut
Glass	3,2 mm High Transmission, AR Coated Heat Strengthened Glass
Frame	Anodized Aluminium Alloy
Junction box	IP68 3 bypass diodes
Connector	MC4 or compatible
Output cable length	1000 mm**
Cable size	4 mm ²
Mechanical load	5400 / 2400 Pa
Safety class	Class II

*On Request | **Customizable on request



Temperature coefficient	
Temperature coefficient at PMax	-0,30 %/°C
Temperature coefficient at Voc	-0,25 %/°C
Temperature coefficient at Isc	+0,045 %/°C
Operational Temperature	-40 / +85 °C
NMOT	44 ±2 °C

Packaging configuration	
Pallet dimension	2290 x 1140 x 1200 mm
Pallet weight	990 kg
Pcs per pallet	36 pcs
Pallet per truck	22 pcs
Pallet per container	20 pcs

Please read the product assembly and safety manual before installation. Specifications in this data sheet are subject to change without notice.

DAX Solar S.r.l.

Legal Headquarters
V.le Bianca Maria, 24
20129 Milano (MI) - IT

Administrative Headquarters
Via Archimede, 45/47
20864 Agrate Brianza (MB) - IT
T +39 039 9468591

Production Headquarters
Via Salaria per L'Aquila, 34
02015 Cittaducale (RI) - IT
T +39 0746 1766636

DAX SOLAR

info@daxsolar.it daxsolar.it/en