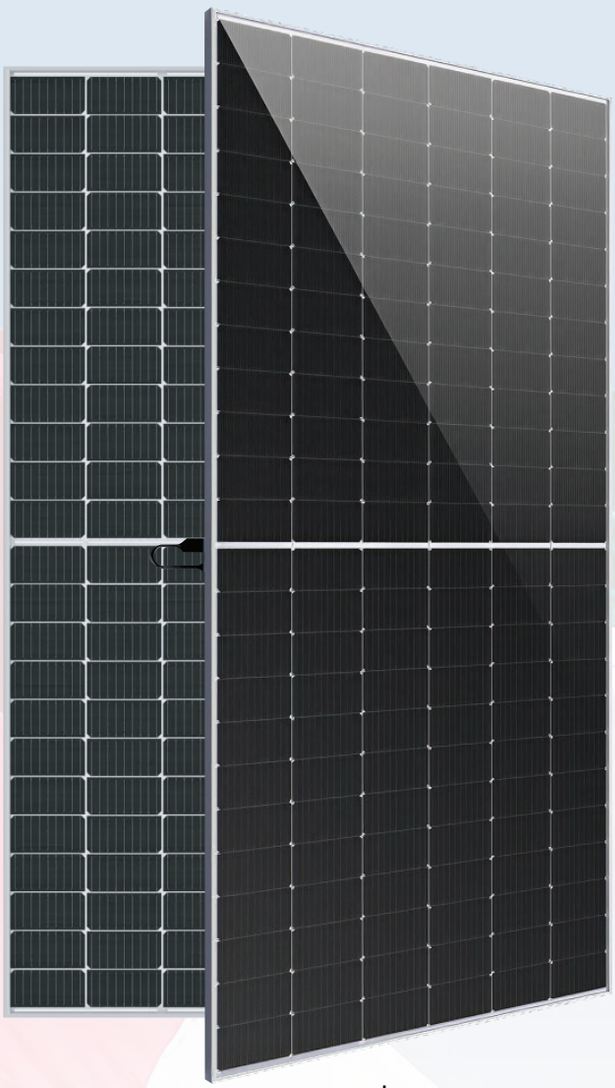
FAERS

RELIABLE ENERGY FOR A BRIGHTER TOMORROW

made in UAE صنع في الامارات



FAERS PRO

635-675W

TOPCON Bifacial Dual Glass

675W MAXIMUM POWER OUTPUT

23.82% MAXIMUM MODULE EFFICIENCY

0~+5W POWER TOLERANCE

15 YEARS PRODUCT WARRANTY ON MATERIALS

30 YEARS LINEAR POWER OUTPUT WARRANTY

PID RESISTANCE

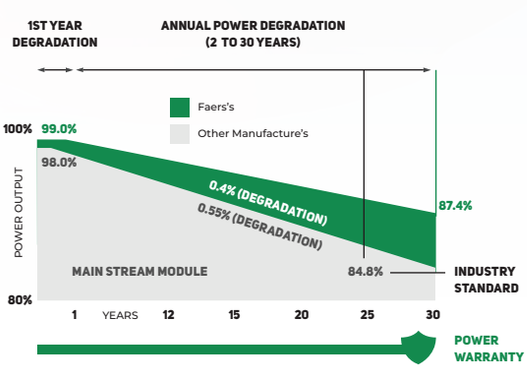
INTRODUCTION

- N-TYPE TOPCON TECHNOLOGY FOR LOWER LCOE
- DOUBLE-SIDED POWER GENERATION, HIGHER YIELD
- ULTRA-LOW DEGRADATION, LONGER WARRANTY, HIGHER OUTPUT
- UNIVERSAL SOLUTION FOR RESIDENTIAL AND C&L APPLICATION

MORE POWER

- COMPATIBLE WITH MAINSTREAM TRACKERS, COST EFFECTIVE PRODUCT FOR UTILITYPOWER PLANT
- BETTER SHADING TOLERANCE
- UP TO 4.5% LOWER LCOE UP TO 5,6 LOWER SYSTEM COST
- COMPREHENSIVE LID / LETID MITIGATION TECHNOLOGY, UP TO 50% LOWER DEGRADATION

LINEAR PERFOMANCE WARRANTY

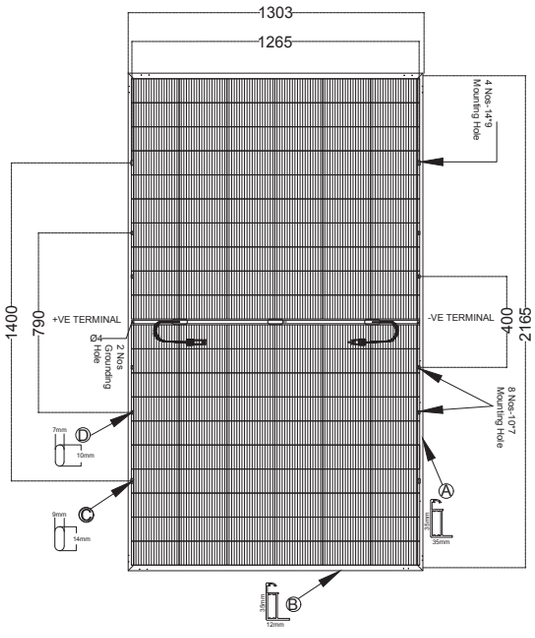


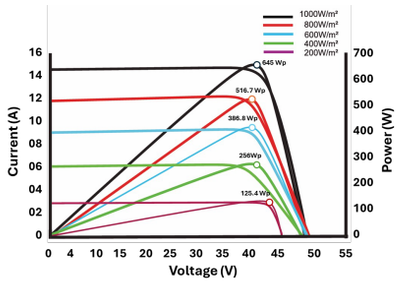
SYSTEM AND PRODUCT CERTIFICATIONS

EU-28 WEEE COMPLIANT

FAERS PRO 635-675W

TOPCON Bifacial Dual Glass





PACKAGING CONFIGURATION

Container	40 Feet	Pieces/Pallet	32
Panel/Container	576	Pallets/Container	18

MECHANICAL CHARACTERISTICS

Cell type	Topcon Bifacial
No.of cells	120 [2 x (10 x 6)]
Dimensions	2165x1303x35mm
Weight	35.8 kg
Front Glass	2.0mm, Anti-Reflection Coating
Back Glass	2.0mm, Heat Strengthened Glass
Frame	Anodized Aluminum Alloy
EVA	Transparent EVA
Junction Box	IP68, 3 diodes 35amp
Output Cables	4 mm2 (IEC), 12 AWG (UL)
Connectors	MC4 compatible Connectors
Cable Length	400 mm (Customize length available)

Sr.№	Model Name	System Voltage (V)	Electrical Rating							Fuse rating (A)							Nº.of Bypass diodes	Nº.of cells per by pass diode (Nº)
			Voc (V)	Vm (V)	Isc (A)	Im (A)	Pm (W)	Eff	FF%		L (mm)	W (mm)	Frame Height	H (mm)				
1	FAERS-60H-675	1500	43.68	37.23	18.56	18.14	675.352	23.94	83.30	30	2165	1303	35	Y-35 X-23			3	40 cell half cut
2	FAERS-60H-670	1500	43.62	37.21	18.52	18.02	670.524	23.77	83.00	30	2165	1303	35	Y-35 X-23			3	40 cell half cut
3	FAERS-60H-665	1500	43.59	37.18	18.47	17.89	665.15	23.58	82.62	30	2165	1303	35	Y-35 X-23			3	40 cell half cut
4	FAERS-60H-660	1500	43.49	37.16	18.45	17.78	660.705	23.42	82.34	30	2165	1303	35	Y-35 X-23			3	40 cell half cut
5	FAERS-60H-655	1500	43.42	37.15	18.21	17.64	655.326	23.23	82.88	30	2165	1303	35	Y-35 X-23			3	40 cell half cut
6	FAERS-60H-650	1500	43.36	37.13	18.06	17.51	650.146	23.05	83.02	30	2165	1303	35	Y-35 X-23			3	40 cell half cut
7	FAERS-60H-645	1500	43.38	37.11	17.88	17.4	645.714	22.89	83.44	30	2165	1303	35	Y-35 X-23			3	40 cell half cut
8	FAERS-60H-640	1500	43.13	37.09	17.71	17.27	640.544	22.71	83.86	30	2165	1303	35	Y-35 X-23			3	40 cell half cut
9	FAERS-60H-635	1500	43.08	37.05	17.63	17.16	635.778	22.54	83.71	30	2165	1303	35	Y-35 X-23			3	40 cell half cut

TEMPERATURE CHARACTERISTIC

Temperature coefficients of Pmax	-0.35% °C
Temperature coefficients of Voc	-0.28% °C
Temperature coefficients of Isc	-0.048% °C

BIFACIAL OUTPUT-REARSIDE POWER GAIN

	STC Condition Output	635	640	645	650	655	660	665	670	675
5%	Maximum Power Pmax	666.75	672.00	677.25	682.50	687.75	693.00	698.25	703.50	708.75
	Module Efficiency STC (%)	23.64	23.83	24.02	24.20	24.39	24.57	24.76	24.95	25.13
10%	Maximum Power Pmax	698.5	704.0	709.5	715.0	720.5	726.0	731.5	737.0	742.5
	Module Efficiency STC (%)	24.77	24.96	25.16	25.35	25.55	25.74	25.94	26.13	26.33
15%	Maximum Power Pmax	730.25	736.00	741.75	747.50	753.25	759.00	764.75	770.50	776.25
	Module Efficiency STC (%)	25.90	26.10	26.30	26.51	26.71	26.91	27.12	27.32	27.53