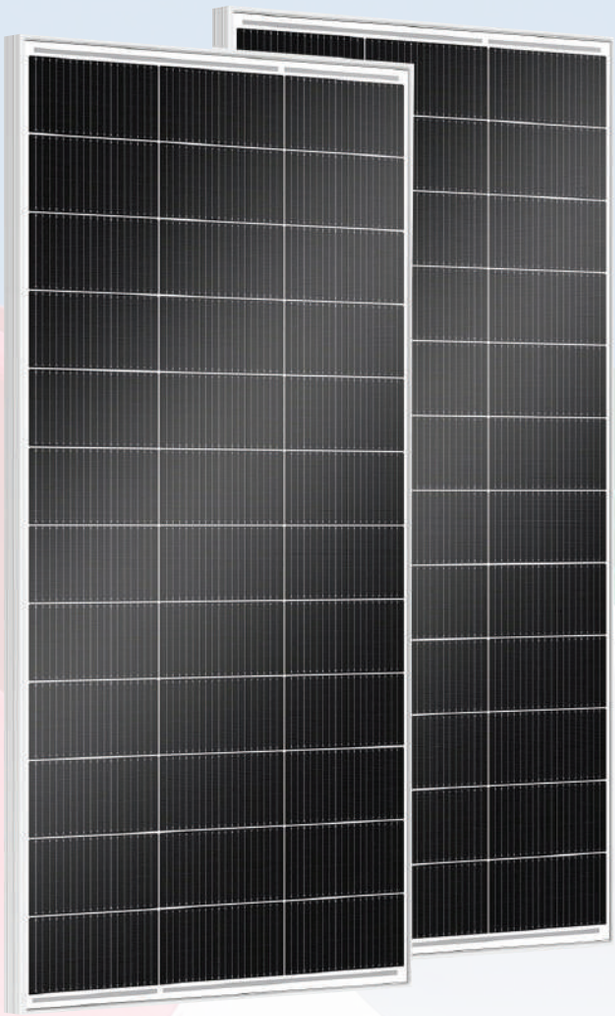
FAERS

RELIABLE ENERGY FOR A BRIGHTER TOMORROW

made in UAE صنع في الامارات



FAERS AIR

380-400W

IBC Technology Bifacial Dual Glass

400W MAXIMUM POWER OUTPUT

23.43% MAXIMUM MODULE EFFICIENCY

0~+5W POWER TOLERANCE

15 YEARS
PRODUCT WARRANTY ON MATERIALS

30 YEARS
LINEAR POWER OUTPUT WARRANTY

PID RESISTANCE

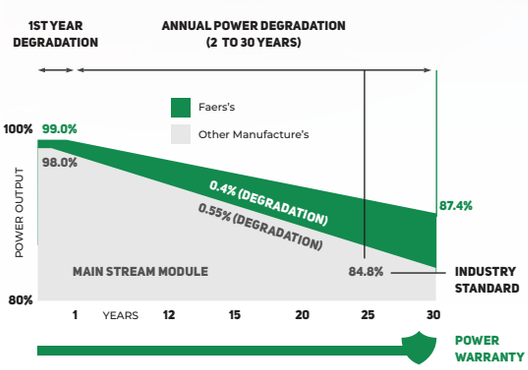
INTRODUCTION

- 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&I APPLICATION

MORE POWER

- COMPATIBLE WITH MAINSTREAM TRACKERS, COST EFFECTIVE PRODUCT FOR UTILITY POWER 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 PERFORMANCE WARRANTY

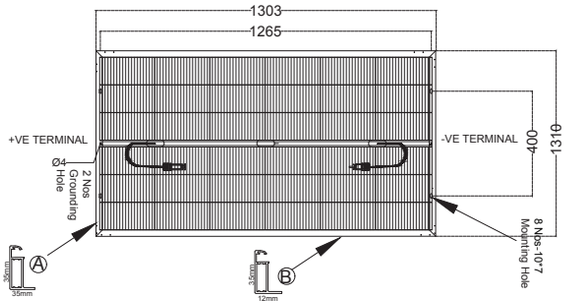


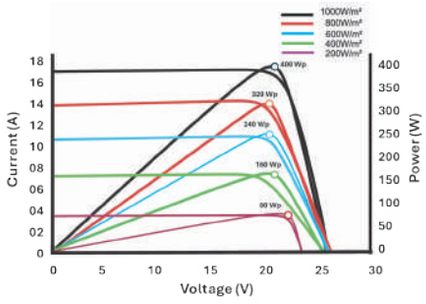
SYSTEM AND PRODUCT CERTIFICATIONS

EGAC · IAF · PV CYCLE · DESIGNED FOR HOT CLIMATE · EU-28 WEEE COMPLIANT · CE

FAERS AIR 380-400W

IBC Technology Bifacial Dual Glass





PACKAGING CONFIGURATION

Container	40 Feet	Pieces/Pallet	33
Panel/Container	594	Pallets/Container	18

MECHANICAL CHARACTERISTICS

Cell type	Topcon Bifacial
EVA	Transparent EVA
Junction Box	IP68, 3 diodes 30 amp
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-36H-400	1500	25.96	22.35	18.22	17.91	400.289	23.43	84.63	20	1310	1303	33	Y-35 X-23	3	12 cell half cut
2	FAERS-36H-395	1500	25.94	22.33	17.98	17.69	395.018	23.14	84.69	20	1310	1303	33	Y-35 X-23	3	12 cell half cut
3	FAERS-36H-390	1500	25.92	22.31	17.83	17.49	390.202	22.84	84.43	20	1310	1303	33	Y-35 X-23	3	12 cell half cut
4	FAERS-36H-385	1500	25.90	22.29	17.58	17.28	385.171	22.55	84.59	20	1310	1303	33	Y-35 X-23	3	12 cell half cut
5	FAERS-36H-380	1500	25.88	22.27	17.36	17.08	380.372	22.26	84.66	20	1310	1303	33	Y-35 X-23	3	12 cell half cut

TEMPERATURE CHARACTERISTIC

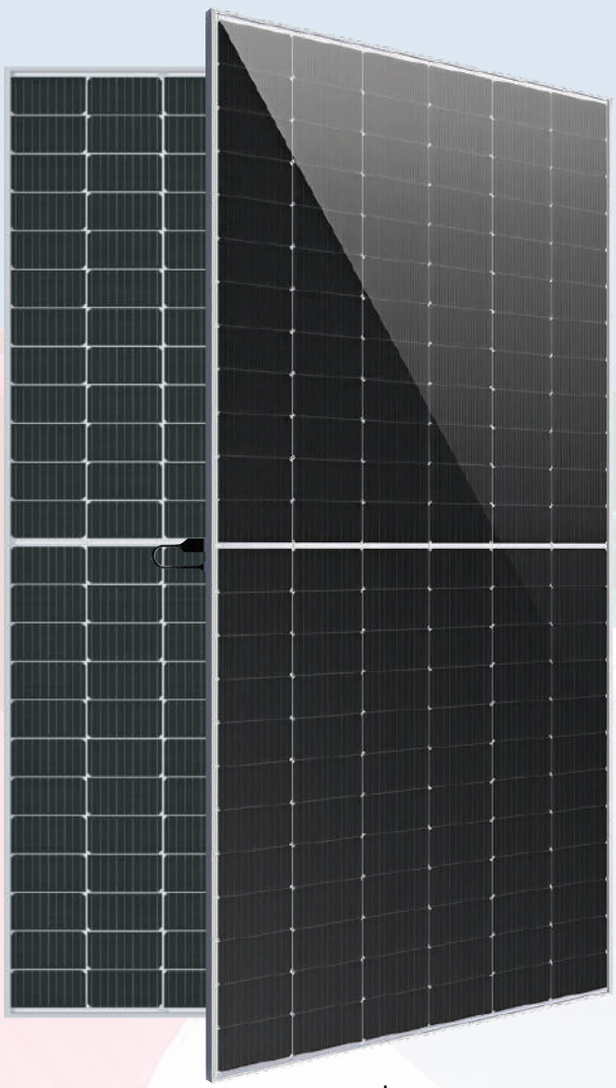
Temperature coefficients of Pmax	-0.35% °C
Temperature coefficients of Voc	-0.28% °C
Temperature coefficients of Isc	-0.048% °C

As part of continuous innovation and R&D improvement, the specification and key feature outline in the datasheet may be subject to minor changes and are not guaranted “Zakh Renewable Energy & Engineering Manufacturing FZ-LLC” reserve the right to update the information provided at any time without prior notice.

FAERS

RELIABLE ENERGY FOR A BRIGHTER TOMORROW

made in UAE صنع في الامارات



FAERS PRO

570-605W

TOPCON Bifacial Dual Glass

695W MAXIMUM POWER OUTPUT

27.2% MAXIMUM MODULE EFFICIENCY

0~+5W POWER TOLERANCE

15 YEARS
PRODUCT WARRANTY ON MATERIALS

30 YEARS
LINEAR POWER OUTPUT WARRANTY

PID RESISTANCE

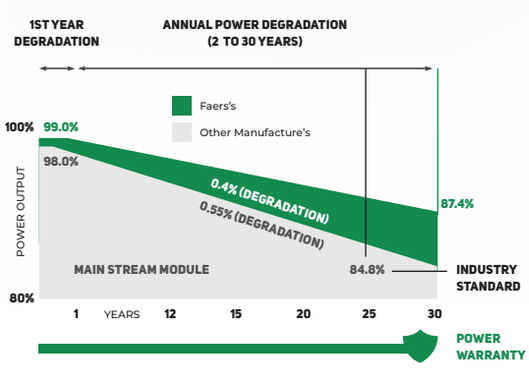
INTRODUCTION

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

MORE POWER

- COMPATIBLE WITH MAINSTREAM TRACKERS, COST EFFECTIVE PRODUCT FOR UTILITY POWER 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 PERFORMANCE WARRANTY

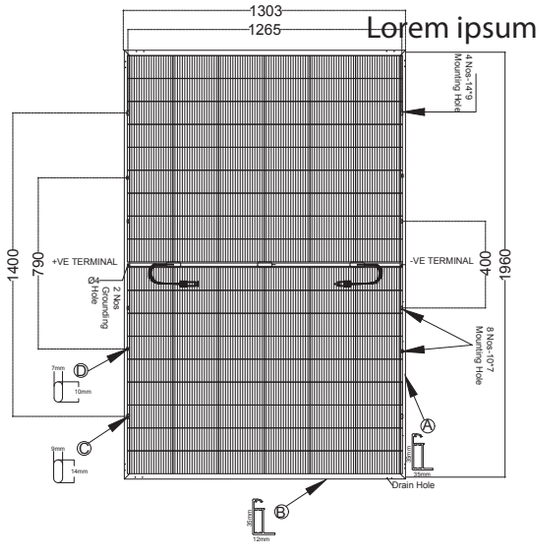


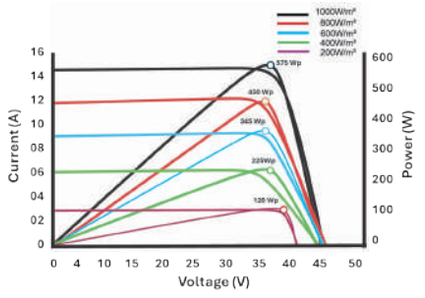
SYSTEM AND PRODUCT CERTIFICATIONS

EU-28 WEEE COMPLIANT

FAERS PRO 570-605W

TOPCON Bifacial Dual Glass





PACKAGING CONFIGURATION

Container	40 Feet	Pieces/Pallet	33
Panel/Container	594	Pallets/Container	18

MECHANICAL CHARACTERISTICS

Cell type	Topcon Bifacial
No.of cells	108 [2 x (9 x 6)]
Dimensions	1960x1303x33mm
Weight	32.2 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)					№.of Bypass diodes	№.of cells per by pass diode (№)
			Voc (V)	Vm (V)	Isc (A)	Im (A)	Pm (W)	Eff	FF%		L (mm)	W (mm)	Frame Height	H (mm)		
1	FAERS-54HG605	1500	38.99	33.15	18.52	18.28	605	23.69	83.92	20	1960	1303	33	Y-35 X-23	3	36 cell half cut
2	FAERS-54HG600	1500	38.94	33.11	18.38	18.15	600	23.49	83.96	20	1960	1303	33	Y-35 X-23	3	36 cell half cut
3	FAERS-54HG595	1500	38.72	33.09	18.22	17.99	595	23.30	84.38	20	1960	1303	33	Y-35 X-23	3	36 cell half cut
4	FAERS-54HG590	1500	38.45	33.05	18.12	17.88	590	23.10	84.82	20	1960	1303	33	Y-35 X-23	3	36 cell half cut
5	FAERS-54HG585	1500	38.41	32.98	17.89	17.75	585	22.91	85.19	20	1960	1303	33	Y-35 X-23	3	36 cell half cut
6	FAERS-54HG580	1500	38.35	32.93	17.81	17.62	580	22.71	84.95	20	1960	1303	33	Y-35 X-23	3	36 cell half cut
7	FAERS-54HG575	1500	38.28	32.88	17.66	17.51	575	22.51	85.16	20	1960	1303	33	Y-35 X-23	3	36 cell half cut
8	FAERS-54HG570	1500	38.23	32.832	17.49	17.38	570	29.07	85.34	20	1960	1303	33	Y-35 X-23	3	36 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

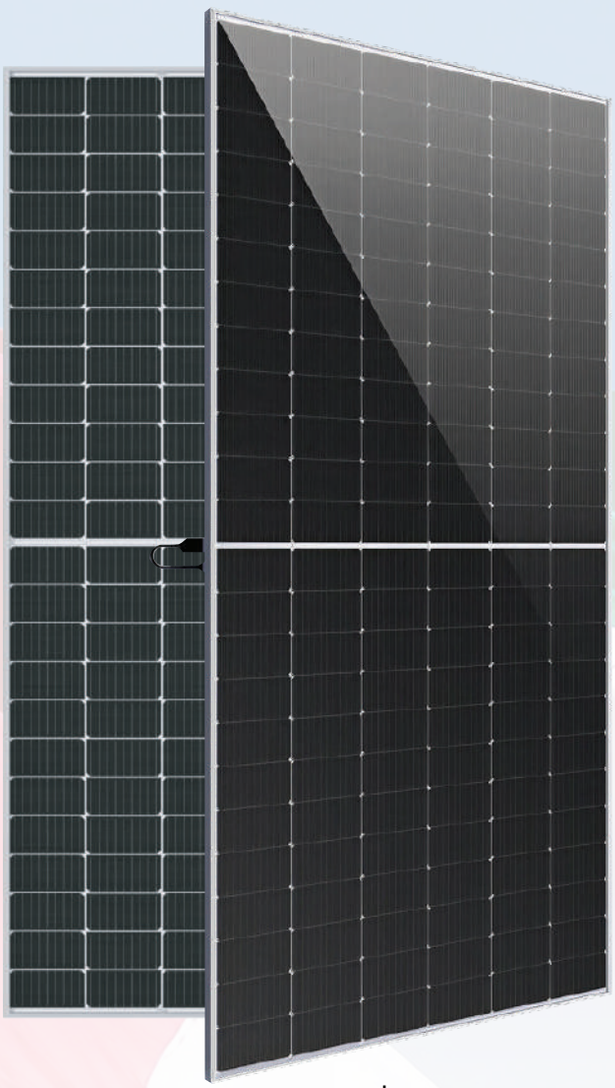
BNPI GAIN DEPEND ON ALBEDO USE FOR REFLECTION

	STC Condition Output	570	575	580	585	590	595	600	605
5%	Maximum Power Pmax	598.50	603.75	609.00	614.25	619.50	624.75	630.00	635.25
	Module Efficiency STC (%)	23.43	23.64	23.85	24.05	24.26	24.46	24.67	24.87
10%	Maximum Power Pmax	627.0	632.5	638.0	643.5	649.0	654.5	660.0	665.5
	Module Efficiency STC (%)	24.55	24.77	24.98	25.20	25.41	25.63	25.84	26.06
15%	Maximum Power Pmax	655.50	661.25	667.00	672.75	678.50	684.25	690.00	695.75
	Module Efficiency STC (%)	25.67	25.89	26.12	26.34	26.57	26.79	27.02	27.24

FAERS

RELIABLE ENERGY FOR A BRIGHTER TOMORROW

made in UAE صنع في الامارات



FAERS MAX

635-675W

TOPCON Bifacial Dual Glass

775W MAXIMUM POWER OUTPUT

27.5% MAXIMUM MODULE EFFICIENCY

0~+5W POWER TOLERANCE

15 YEARS PRODUCT WARRANTY ON MATERIALS

30 YEARS LINEAR POWER OUTPUT WARRANTY

PID RESISTANCE

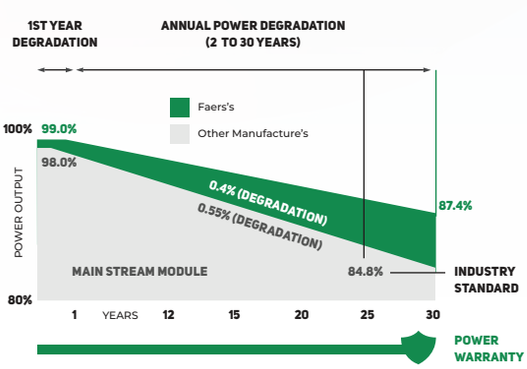
INTRODUCTION

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

MORE POWER

- COMPATIBLE WITH MAINSTREAM TRACKERS, COST EFFECTIVE PRODUCT FOR UTILITY POWER 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

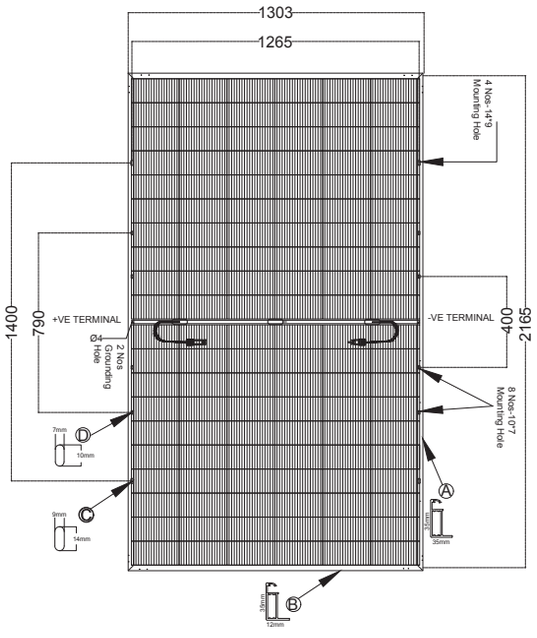


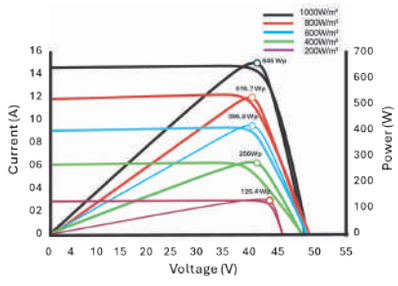
SYSTEM AND PRODUCT CERTIFICATIONS

EU-28 WEEE COMPLIANT

FAERS MAX 635-675W

TOPCON Bifacial Dual Glass





MECHANICAL CHARACTERISTICS

Cell type	Topcon Bifacial
No.of cells	120 [2 x (10 x 6)]
Dimensions	2165x1303x33mm
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)

PACKAGING CONFIGURATION

Container	40 Feet	Pieces/Pallet	33
Panel/Container	594	Pallets/Container	18

Sr.№	Model Name	System Voltage (V)	Electrical Rating							Fuse rating (A)					№.of Bypass diodes	№.of cells per by pass diode (№)
			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	33	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	33	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	33	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	33	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	33	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	33	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	33	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	33	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	33	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

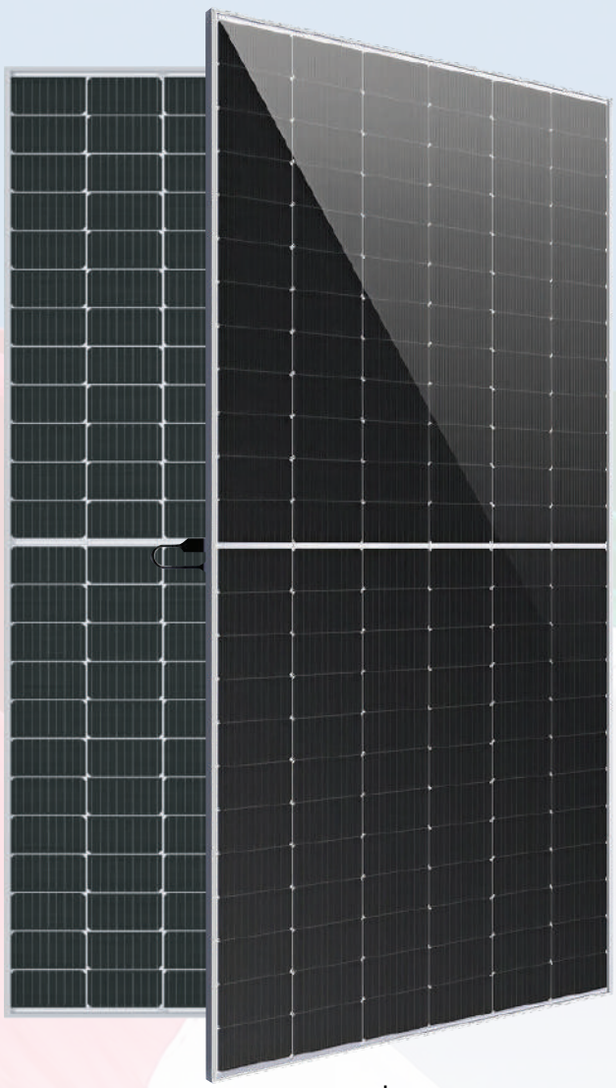
BNPI GAIN DEPEND ON ALBEDO USE FOR REFLECTION

	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

FAERS

RELIABLE ENERGY FOR A BRIGHTER TOMORROW

made in UAE صنع في الامارات



FAERS ULTRA

700-740W

TOPCON Bifacial Dual Glass

850W MAXIMUM POWER OUTPUT

27.4% MAXIMUM MODULE EFFICIENCY

0~+5W POWER TOLERANCE

15 YEARS
PRODUCT WARRANTY ON MATERIALS

30 YEARS
LINEAR POWER OUTPUT WARRANTY

PID RESISTANCE

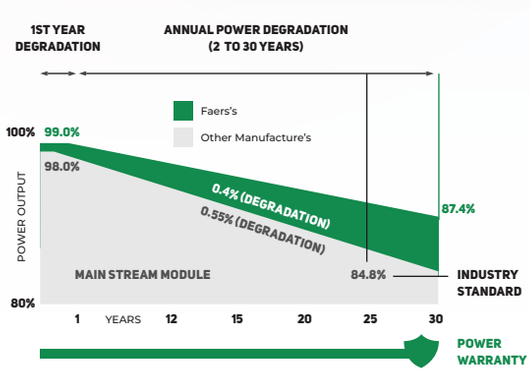
INTRODUCTION

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

MORE POWER

- COMPATIBLE WITH MAINSTREAM TRACKERS, COST EFFECTIVE PRODUCT FOR UTILITY POWER 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 PERFORMANCE WARRANTY

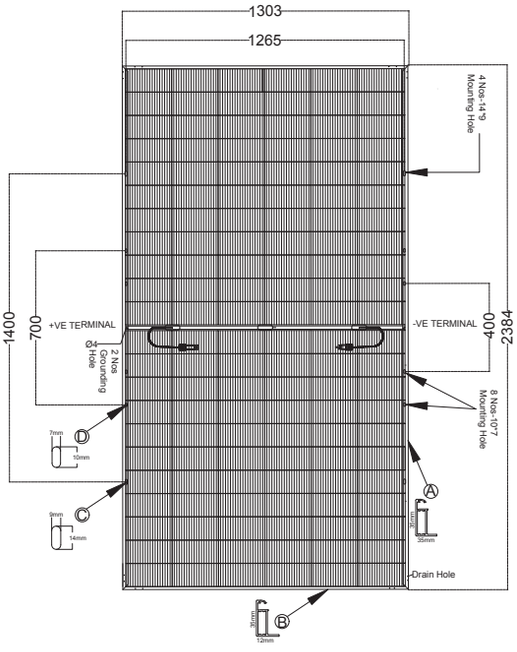


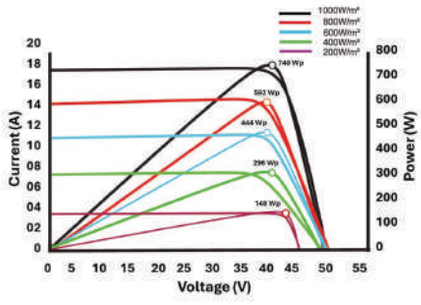
SYSTEM AND PRODUCT CERTIFICATIONS

EU-28 WEEE COMPLIANT

FAERS ULTRA 700-740W

TOPCON Bifacial Dual Glass





PACKAGING CONFIGURATION

Container	40 Feet	Pieces/Pallet	33
Panel/Container	594	Pallets/Container	18

MECHANICAL CHARACTERISTICS

Cell type	Topcon Bifacial
No.of cells	132 [2 x (11 x 6)]
Dimensions	2384×1303×33mm
Weight	37.5 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)			
Model-I-66 cell family cell size 210 x 210 mm - g12																	
1	FAERS-66H-740	1500	47.62	41.46	18.62	17.85	740	23.82	88.24	35	2384	1303	33	Y-35 X-23	3	44 cell half cut	
2	FAERS-66H-735	1500	47.59	41.42	18.53	17.75	735	23.66	87.75	35	2384	1303	33	Y-35 X-23	3	44 cell half cut	
3	FAERS-66H-730	1500	47.58	41.38	18.42	17.64	730	23.50	87.22	35	2384	1303	33	Y-35 X-23	3	44 cell half cut	
4	FAERS-66H-725	1500	47.55	41.35	18.31	17.53	725	23.34	86.78	35	2384	1303	33	Y-35 X-23	3	44 cell half cut	
5	FAERS-66H-720	1500	47.53	41.33	18.22	17.43	720	23.19	86.36	35	2384	1303	33	Y-35 X-23	3	44 cell half cut	
6	FAERS-66H-715	1500	47.52	41.1	18.17	17.4	715	23.02	85.85	35	2384	1303	33	Y-35 X-23	3	44 cell half cut	
7	FAERS-66H-710	1500	47.5	40.9	18.13	17.36	710	22.86	85.37	35	2384	1303	33	Y-35 X-23	3	44 cell half cut	
8	FAERS-66H-705	1500	47.48	40.7	18.08	17.33	705	22.71	84.94	35	2384	1303	33	Y-35 X-23	3	44 cell half cut	
9	FAERS-66H-700	1500	47.45	40.6	18.02	17.25	700	22.55	84.49	35	2384	1303	33	Y-35 X-23	3	44 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

BNPI GAIN DEPEND ON ALBEDO USE FOR REFLECTION

	STC Condition Output	700	705	710	715	720	725	730	735	740
5%	Maximum Power Pmax	735	740.25	745.5	750.75	756	761.25	766.5	771.75	777
	Module Efficiency STC (%)	23.66	23.83	24.00	24.17	24.34	24.51	24.68	24.84	25.01
10%	Maximum Power Pmax	770	775.5	781	786.5	792	797.5	803	808.5	814
	Module Efficiency STC (%)	24.79	24.96	25.14	25.32	25.50	25.67	25.85	26.03	26.20
15%	Maximum Power Pmax	805	810.75	816.5	822.25	828	833.75	839.5	845.25	851
	Module Efficiency STC (%)	25.91	26.10	26.28	26.47	26.66	26.84	27.03	27.21	27.40

As part of continuous innovation and R&D improvement, the specification and key feature outline in the datasheet may be subject to minor changes and are not guaranted “Zakh Renewable Energy & Engineering Manufacturing FZ-LLC” reserve the right to update the information provided at any time without prior notice.