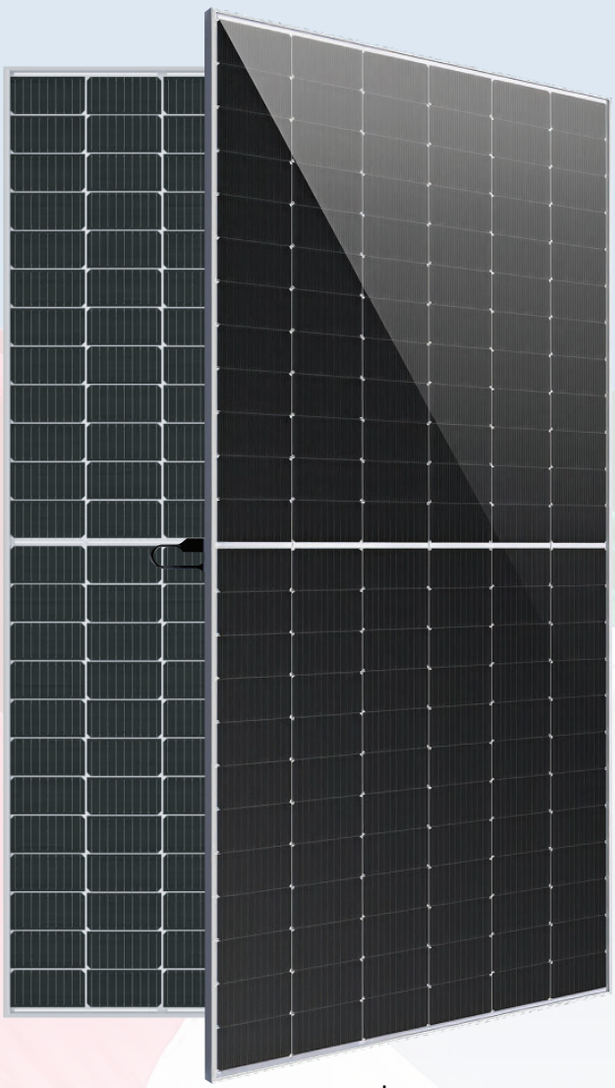
FAERS

RELIABLE ENERGY FOR A BRIGHTER TOMORROW

made in UAE صنع في الامارات



# FAERS ULTRA

## 700-740W

**TOPCON Bifacial Dual Glass**

**850W** MAXIMUM POWER OUTPUT

**24.3%** MAXIMUM MODULE EFFICIENCY

**0~+5W** POWER TOLERANCE

**15 YEARS**
PRODUCT WARRANTY ON MATERIALS

**30 YEARS**
LINEAR POWER OUTPUT WARRANTY

PID RESISTANCE

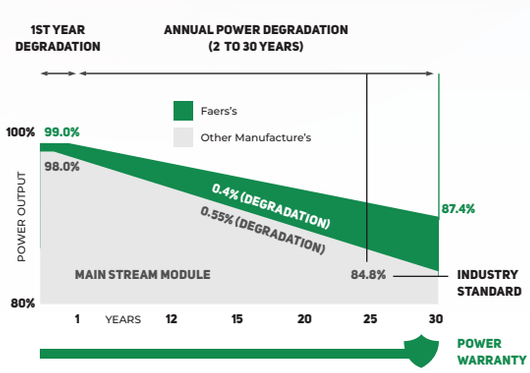
### INTRODUCTION

- 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

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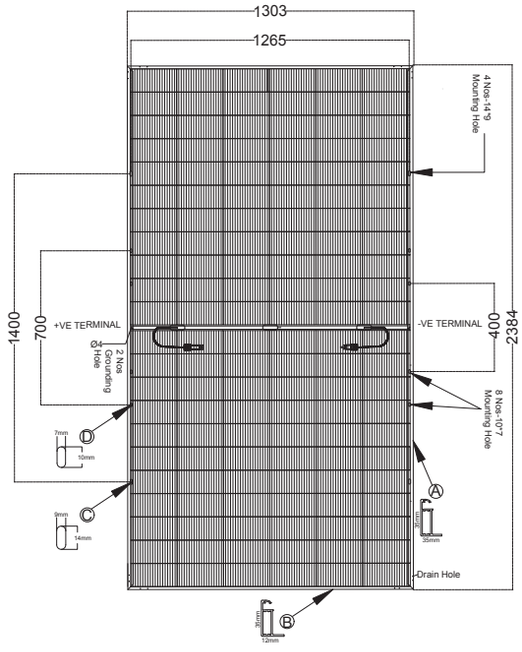


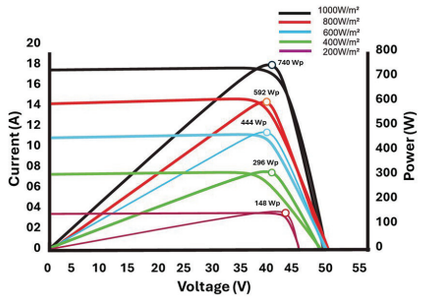


## PACKAGING CONFIGURATION

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

## MECHANICAL CHARACTERISTICS

| | |
|---|---|
| Cell type | Topcon Bifacial |
| No.of cells | 132 [2 x (11 x 6) ] |
| Dimensions | 2384×1303×35mm |
| 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 | 35 | 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 | 35 | 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 | 35 | 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 | 35 | 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 | 35 | 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 | 35 | 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 | 35 | 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 | 35 | 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 | 35 | 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 |

## BIFACIAL OUTPUT-REARSIDE POWER GAIN

| | 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 |