

# PERC-S2 SERIES

Seize the Moment, Leading the Efficiency







## 655-670W



### ● PERC-S2 SERIES

Fortune Energy redefined the high-efficiency module series by integrating 210mm silicon wafers with multi-busbar and half-cut cell technologies. Fortune Energy panel combined creative technology effectively and extremely improved the module efficiency and power output.

### ● KEY FEATURES

-  Less mismatch to get more power
-  Less power loss by minimizing the shading impact
-  Competitive low light performance
-  3 times EL test to ensure best quality
-  Ideal choice for utility and commercial scale projects by reduced BoS and improved ROI
-  Outstanding reliability proven by PVEL for stringent environment condition:
  - Sand, acid, salt and hail stones
  - 2400 Pa wind load and 5400 Pa snow load
  - Anti-PID

### ● QUALITY SYSTEM

ISO9001 / ISO14001 / ISO45001

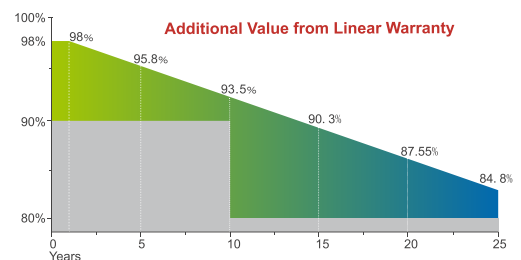
### ● PRODUCT CERTIFICATION



### ● INSURANCE

**PICC**

### ● WARRANTY



Guarantee on product material and workmanship



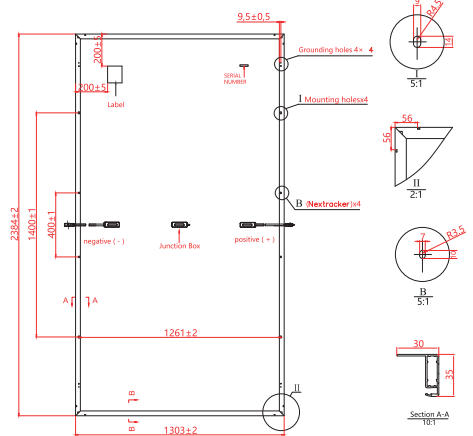
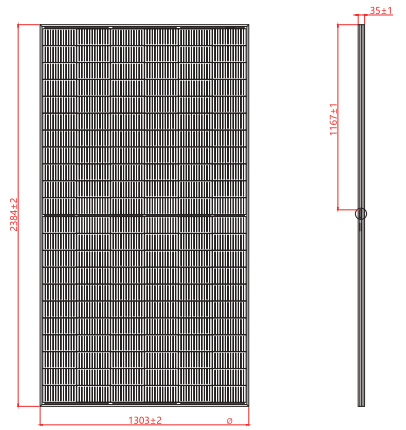
Linear power output warranty



### Electrical Characteristics

| Module Type                  | FEPM-655M/6C-H |       | FEPM-660M/6C-H |       | FEPM-665M/6C-H |       | FEPM-670M/6C-H |       |
|------------------------------|----------------|-------|----------------|-------|----------------|-------|----------------|-------|
|                              | STC            | NOCT  | STC            | NOCT  | STC            | NOCT  | STC            | NOCT  |
| Maximum Power at STC (Pmp)   | 655            | 492   | 660            | 496   | 665            | 500   | 670            | 504   |
| Open Circuit Voltage (Voc)   | 45.13          | 42.87 | 45.33          | 43.06 | 45.53          | 43.25 | 45.73          | 43.44 |
| Short Circuit Current (Isc)  | 18.48          | 14.78 | 18.53          | 14.82 | 18.58          | 14.86 | 18.63          | 14.90 |
| Maximum Power Voltage (Vmp)  | 37.96          | 35.65 | 38.16          | 38.17 | 38.36          | 38.37 | 38.56          | 36.27 |
| Maximum Power Current (Imp)  | 17.25          | 13.80 | 17.29          | 13.83 | 17.33          | 13.86 | 17.37          | 13.90 |
| Module Efficiency at STC(ηm) | 21.09          |       | 21.25          |       | 21.41          |       | 21.57          |       |
| Power Tolerance              | (0, +4.99)     |       |                |       |                |       |                |       |
| Maximum System Voltage       | 1500V DC       |       |                |       |                |       |                |       |
| Maximum Series Fuse Rating   | 30 A           |       |                |       |                |       |                |       |

STC: Irradiance 1000 W/m², module temperature 25°C, AM=1.5  
 Power measurement tolerance: +/-3%



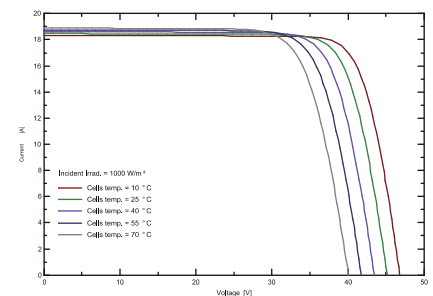
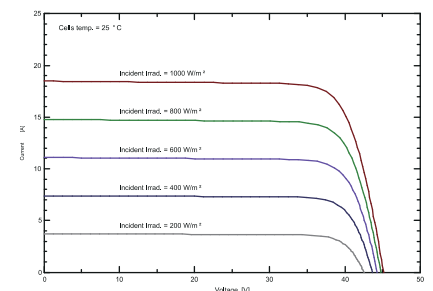
### Temperature Characteristics

|  |              |
|--|--------------|
| Pmax Temperature Coefficient             | -0.34 %/°C   |
| Voc Temperature Coefficient              | -0.26 %/°C   |
| Isc Temperature Coefficient              | +0.05 %/°C   |
| Operating Temperature                    | -40 ~ +85 °C |
| Nominal Operating Cell Temperature(NOCT) | 45±2 °C      |

### Mechanical Specifications

|                     |  |
|---------------------|--|
| External Dimensions | 2384 x 1303 x 35 mm                            |
| Weight              | 34.0 kg  |
| Solar Cells         | PERC Mono (132 pcs)                            |
| Front Glass         | 3.2mm AR coating tempered glass, low iron      |
| Frame               | Anodized aluminium alloy                       |
| Junction Box        | IP68, 3 diodes                                 |
| Output Cables       | 4.0mm², 250mm(+)/350mm(-) or Customized Length |
| Mechanical Load     | Front side 5400Pa/ Rear side 2400Pa            |

### I-V Curve



### Packing Configuration

| 2384x1303x35mm        |       |
|-----------------------|-------|
| Container             | 40'HQ |
| Pieces per Pallet     | 31    |
| Pallets per Container | 17    |
| Pieces per Container  | 527   |

For details, please consult FORTUNE ENERGY.

Specifications are subject to change without further notification FEPM-DS-EN-2023V1.0 © Copyright 2023 Fortune Energy

