

Solsonica608 series

Polycrystalline photovoltaic modules **Solsonica608** are characterized by high efficiency and grant long lasting performances.

Thanks to the technology developed by Solsonica, photovoltaic modules **Solsonica608** represent the best solution for PV systems of different peak power.

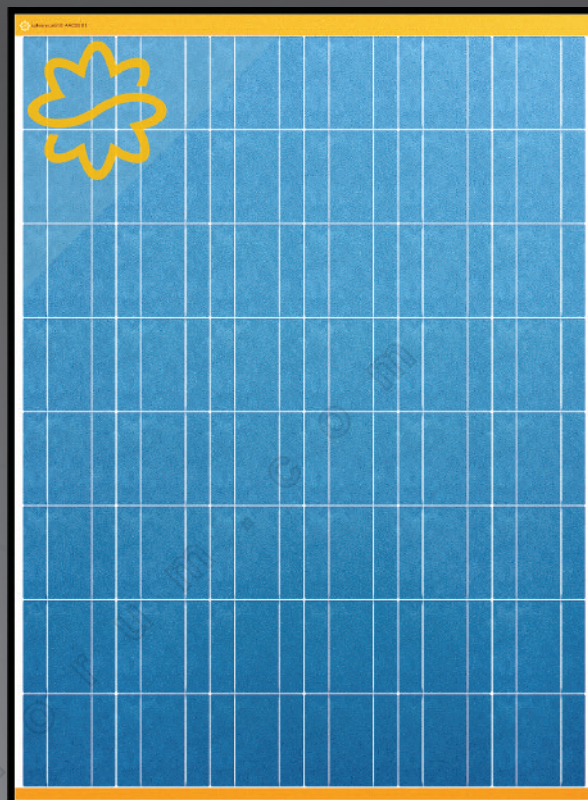
The modules are supplied with "4 holes" anodized aluminum frame for easier installation.

Photovoltaic modules **Solsonica608** are also equipped with IP65 junction box containing internal bypass diodes.

Mating safety is provided by polarity keyed housings enhancing the easiness of installation.

Photovoltaic modules **Solsonica608** are designed and tested to resist wind, hail and other unusual weather phenomena.

Solsonica products portfolio, including **Solsonica610** and **Solsonica612** modules, answers to every need, making easier the construction of PV Systems with different dimension and power.



Performance under standard test conditions


(1000 W/m² - 25 °C)

| | | | 172 | 176 | 180 | 184 | 188 | 192 |
|-----------------------|------|---|-------|-------|-------|-------|-------|-------|
| Maximum power | Pmax | W | 172 | 176 | 180 | 184 | 188 | 192 |
| Open-circuit voltage | Voc | V | 29.88 | 29.96 | 30.12 | 37.76 | 37.86 | 37.96 |
| Maximum power voltage | Vmp | V | 23.36 | 23.60 | 23.84 | 24.09 | 24.33 | 24.57 |
| Short-circuit current | Isc | A | 7.88 | 7.96 | 8.05 | 8.13 | 8.21 | 8.29 |
| Maximum power current | Imp | A | 7.35 | 7.45 | 7.54 | 7.63 | 7.72 | 7.81 |

Manufacturing details

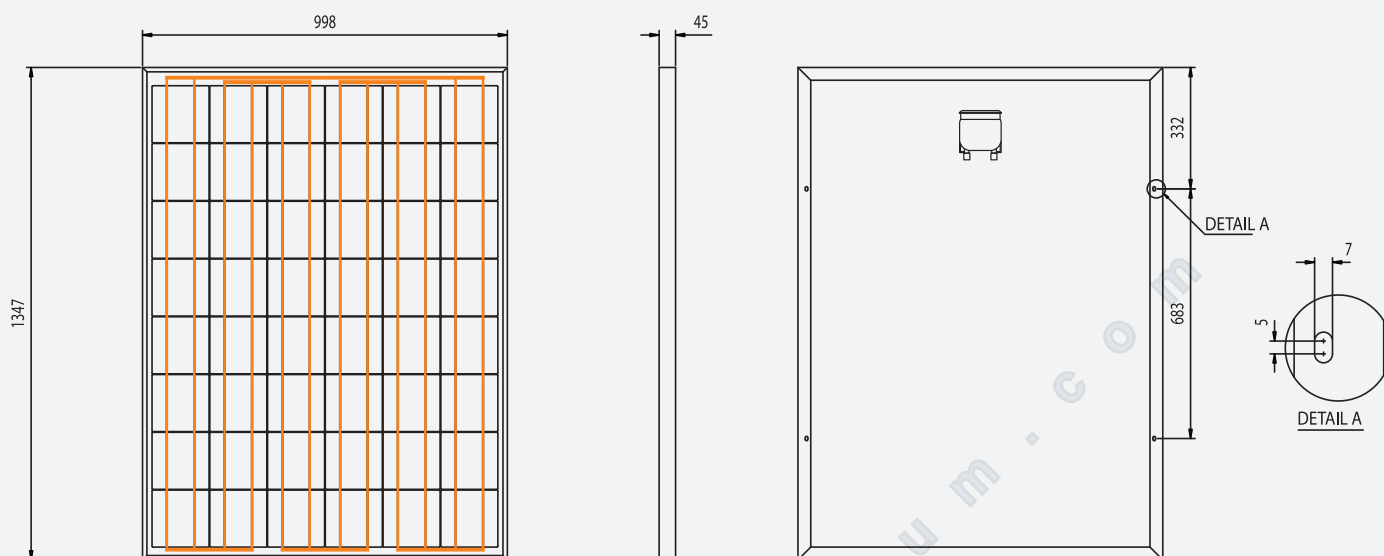
- Tempered glass
- High quality EVA for cell embedding
- High quality multilayer Tedlar foil for backsheet

Warranties & certificates

- 2 years product warranty
- 10 years power warranty for 90% maximum power output
- 25 years power warranty for 80% maximum power output
- IEC 61215
- Protection class II 
- CE

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Dimensions (mm)



Other parameters

| | | | |
|--|--------------|----|---------------|
| NOCT | | °C | 46.00 |
| Current temperature coefficient | TkIsc | %K | 0.025 |
| Voltage temperature coefficient | TkVoc | %K | -0.340 |
| Performance tolerance | | % | +/-3 |
| Maximum system voltage | | V | 1.000 |

Other specifications

| | |
|------------------------|-----------------|
| Cells number | 48 |
| Cell type | p-Si |
| Cell size (mm) | 156 x 156 |
| Module size LxWxH (mm) | 1347 x 998 x 45 |
| Frame | Aluminum |
| Weight (Kg) | 18 |
| Junction box | Tyco - IP65 |

Solsonica reserves the right to make specification changes without notice.
This datasheet complies with the requirements of EN50380.

Release 1.0 (preliminary)

Solsonica S.p.A.

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