

# The ultimate solution for your SMART MODULE™



MONO-CRYSTALLINE I+  
*intelligent*



## XM 60/156I+INT

### 260/275 Wp



HIGH EFFICIENCY  
3 BUSBAR CELLS



PLUS-ONLY TOLERANCE



AR-COATED GLASS\*



25 YEARS  
POWER WARRANTY



Optimized by  
**Tigo**  
energy

**OPTIMIZER INSIDE**

## THE *intelligent* SOLUTION BENEFITS

Smart modules equipped with Tigo Energy®'s PV optimizers provide all the benefits of optimizers and micro inverters completely integrated into solar modules directly from leading manufacturers. Smart modules provide the only scalable module-level power optimization and monitoring for residential, commercial and utility-scale installations.

### Smart Modules Provide:

- 25% more power density / efficiency
- Module-level monitoring, reduced O&M and commissioning costs
- Arc, fire and safety hazard mitigation
- Increased energy harvest and system uptime for proven ROI
- No additional labor or connections

Tigo Energy optimizers not only achieve best-in-class system conversion efficiencies at 99.6% but also reduce the risk of arc, fire and safety hazards. PV-Safe™, a unique technology that greatly enhances the safety of a solar installation, is included in all smart modules. The PV-Safe function can automatically detect and eliminate high voltage from the array and can be activated remotely.

## XM60/156I+INT SMART MODULE™

is the top of a wide range PV Sunerg modules. Manufactured according to IEC 61215, IEC 61730 standard and CE. Best in class production concept. Three BusBar cells with induction welding for a longer lasting electric performance. By Tigo optimizer, module gives higher power density and efficiency, with the effect form factor of a traditional module, and a **25** years warranty for a power output of 80%. Ten years product warranty.

\* If available



Made in Italy



[www.sunergsolar.com](http://www.sunergsolar.com)

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# XM 60/156I+INT

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| ELECTRICAL DATA   | XP 60/156-260I+INT | XP 60/156-265I+INT | XP 60/156-270I+INT | XP 60/156-275I+INT |
|---|--------------------|--------------------|--------------------|--------------------|
| Open-circuit Voltage (Voc)                                      | 37.62 V            | 37.86 V            | 38.16 V            | 38.34 V            |
| Voltage at Pmax (Vmp)   | 31.74 V            | 31.92 V            | 32.28 V            | 32.52 V            |
| Short-circuit current (Isc)                                     | 8.77 A             | 8.82 A             | 8.89 A             | 8.93 A             |
| Current at Pmax (Imp)   | 8.23 A             | 8.30 A             | 8.40 A             | 8.46 A             |
| Peak Power (Pmax)<br><small>Power tolerance 0 / +5 Wp *</small> | 260 Wp             | 265 Wp             | 270 Wp             | 275 Wp             |
| Module Efficiency   | 15,96%             | 16,27%             | 16,57%             | 16,88%             |
| Maximum Voltage   | 1000 V DC          | 1000 V DC          | 1000 V DC          | 1000 V DC          |
| Maximum series Fuse rating                                      | 16A                | 16A                | 16A                | 16A                |
| Operating Temperature   | -40°C - +85°C      | -40°C - +85°C      | -40°C - +85°C      | -40°C - +85°C      |

**\* STC (Standard test conditions)**

Irraggiamento 1000 w/m<sup>2</sup>, temperatura modulo 25°C, AM=1.5  
Irradiance 1000 w/m<sup>2</sup>, module temperature 25°C, AM=1.5  
Éclairage énergétique 1000 w/m<sup>2</sup>, température du module 25°C, AM=1.5

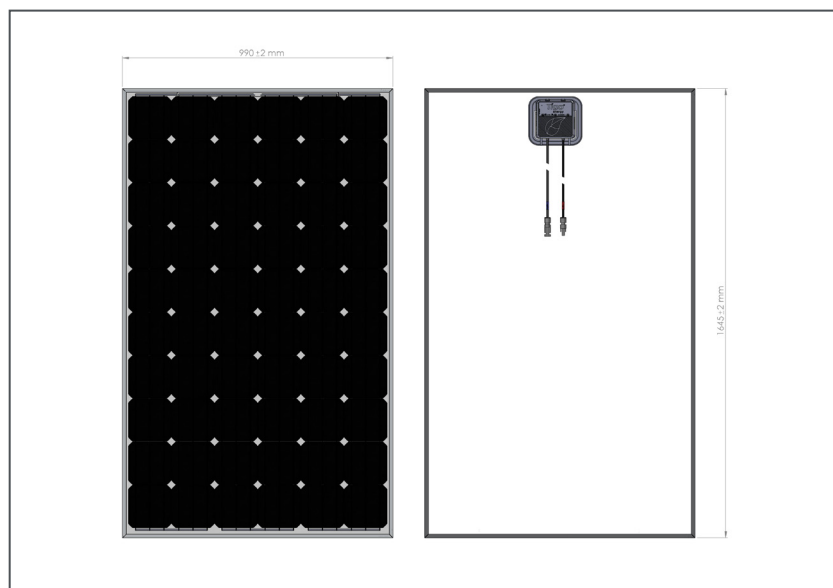
**TEMPERATURE COEFFICIENT**

|                              |              |
|------------------------------|--------------|
| NOCT                         | 46±2 °C      |
| Pmax Temperature coefficient | -0.408% / °C |
| Voc Temperature coefficient  | -0.325% / °C |
| Isc Temperature coefficient  | 0.048% / °C  |

**GENERAL INFORMATION**

|                 |  |
|-----------------|--|
| Solar cell      | Mono 156mm x 156mm                           |
| Number of cells | 60   |
| Dimensions (mm) | 1645 x 990 x 35                              |
| Weight          | 20 Kg  |
| Front glass     | Temperated AR Coated glass*, 4mm thickness** |
| Frame           | Anodized aluminum alloy                      |
| Junction Box    | mod. Tigo MMJ ES50 maximizer inside          |
| Connectors      | MC4  |

\*if available \*\*3.2 mm thickness available



Sunerg S.r.l. si riserva il diritto di apportare modifiche ai dati tecnici del prodotto senza preavviso.