

**Company Name:** Chilun Photovoltaic s.r.o.

**Address:** Thunovska 183/18, Mala Strana 118 00, Praha 1

**Phone:** +420 606 055 588

**Email:** info@chilun.eu

**Website:** www.chilun.eu

**DATE:** 23/12/2025

## TO WHOM IT MAY CONCERN

### SUBJECT: OFFICAL DECLARATION OF PHOTOVOLTAIC OUTPUT AND EFFICIENCY FOR SOLATILE MODULE

This document serves as an official declaration regarding the performance and specifications of our photovoltaic roof tile product, **SolaTile**.

We hereby certify that the product detailed below meets the declared performance metrics under Standard Test Conditions (STC). These specifications are guaranteed for the purpose of energy yield calculation and subsidy application eligibility.

#### 1. PRODUCT IDENTIFICATION

- **Product Name:** SolaTile
- **Model Name:** SRTCIGS
- **Product Specification:** Double Reinforced Glass CIGS Module PV Roof Tile
- **Batch Number:** EU-CLSRTCIGS2026-1

#### 2. PERFORMANCE DECLARATION

The key performance indicator for output and photovoltaic conversion efficiency are declared as follows:

- **Nominal Output (watt): 32W**
- **Nominal Peak Efficiency ( $\eta$ ): 16%**

Efficiency	$\eta/\%$	14.0	14.5	15.0	15.5	16.0
Rated power	$P_{mpp}/W$	1.91	1.98	2.05	2.12	2.18
Maximum power point voltage	$V_{mpp}/V$	0.524	0.537	0.541	0.546	0.552
Maximum power point current	$I_{mpp}/A$	3.647	3.686	3.785	3.875	3.957
Open circuit voltage	$V_{oc}/V$	0.651	0.663	0.667	0.671	0.676
Short circuit current	$I_{sc}/A$	4.165	4.155	4.238	4.299	4.364

\*Note: Electrical performance tests were conducted under standard test conditions (STC): 1000W/m<sup>2</sup>, 25°C battery temperature, AM1.5 spectrum; chips are categorized by conversion efficiency, and other electrical performance parameters are typical values for that category.

This efficiency value of 16% is determined in accordance with the international standard IEC 61215 for terrestrial photovoltaic (PV) modules. The testing is performed under Standard Test Conditions (STC) of:

- Irradiance: 1000 W/m<sup>2</sup>
- Cell Temperature: 25°C
- Air Mass: AM 1.5

### 3. COMPLIANCE AND QUALITY ASSURANCE

The manufacturing process for the SolaTile (Model SRTCIGS) adheres to a strict quality management system certified to ISO 9001. The CIGS (Copper Indium Gallium Selenide) thin-film technology utilized in this product is known for its high performance in real-world conditions, including superior performance in diffuse light and high temperatures.

The specified batch number (EU-CLSRTCIGS2026-1) has undergone rigorous factory acceptance testing to ensure it conforms to the declared specifications.

### 4. PURPOSE AND VALIDITY

This declaration is issued specifically to support applications for state subsidies and incentives where proof of module efficiency is required. The information provided herein is accurate and true to the best of our knowledge.

This document is valid for the batch referenced above and remains valid for the duration of the relevant subsidy program's application window.

Should you require any further information or verification, please do not hesitate to contact us.

Sincerely,



**CHILUN**  
PHOTOVOLTAIC  
Thunovská 183/18, 118 00 Praha 1  
IČO: 05116465 DIČ: CZ05116465

---

**Jianwei SHI**

Head of Technical Operations / Product Manager  
Chilun Photovoltaic Europe