

265W-285W

SZLU-60P

17.41%

MAXIMUM EFFICIENCY

60

FULL CELLS

0 to +3

POWER TOLERANCE

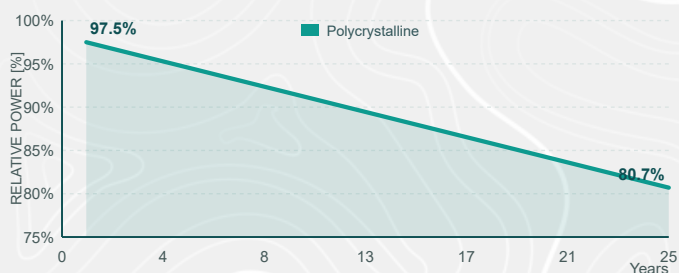
1500 V DC

SYSTEM VOLTAGE



- ◆ Polycrystalline Technology
- ◆ High-reliability polycrystalline module — 265–285 Wp, up to 17.41% efficiency
- ◆ 60 full cells (6 × 10) with 5-busbar design
- ◆ 3.2 mm anti-reflective, low-iron tempered glass
- ◆ Certified to IEC 61215 & IEC 61730 standards

OUR PERFORMANCE WARRANTY



25 YEARS

Performance Warranty

12 YEARS

Product Warranty

≤ 2.5% first-year degradation, then 0.7 percentage points of initial rated power annually — 80.7% min. warranted power at year 25

*Specifications are subject to change without notice. Actual performance may vary. Warranty terms are defined in the latest SOLANZO Limited Warranty.



MONOFACIAL - SINGLE GLASS

SZLU-60P 265W-285W
POLYCRYSTALLINE TECHNOLOGY

Electrical specifications (STC*):

Module model	SZLU-60P-	265	270	275	280	285
Nominal max. power P_{max} (Wp)		265	270	275	280	285
Maximum operating voltage V_M (V)		31.4	31.7	32.0	32.3	32.5
Maximum operating current I_M (A)		8.44	8.52	8.61	8.69	8.77
Open-circuit voltage V_{oc} (V)		38.6	38.8	39.1	39.4	39.6
Short-circuit current I_{sc} (A)		9.03	9.09	9.15	9.20	9.26
Module efficiency η (%)		16.19	16.50	16.80	17.11	17.41
Power tolerance (%)		0 to +3				
Maximum system voltage (V/DC)		1500				
Maximum series fuse rating (A)		20				

*STC: Standard Test Conditions (irradiance 1000 W/m², cell temperature 25°C and air mass of AM1.5). STC power measurement uncertainty $\pm 3\%$, distinct from the manufacturing power tolerance above.

Electrical specifications (NOCT*):

Nominal max. power P_{max} (Wp)	197	200	204	208	212
Maximum operating voltage V_M (V)	29.0	29.4	29.8	30.1	30.4
Maximum operating current I_M (A)	6.78	6.80	6.85	6.91	6.97
Open-circuit voltage V_{oc} (V)	35.3	35.4	35.4	35.6	35.7
Short-circuit current I_{sc} (A)	7.36	7.38	7.44	7.49	7.53

*NOCT: Nominal Operating Cell Temperature — irradiance 800 W/m², ambient temperature 20 °C, wind speed 1 m/s, air mass AM1.5.

Mechanical and design specifications

Cell type	Polycrystalline silicon cells, 157 × 157 mm
Cell configuration	60 Full Cells (6 × 10), 5 busbars
Module construction	Monofacial Single-Glass
Front cover	3.2 mm anti-reflective, low-iron tempered glass
Junction box	IP67 rated
Frame	35 mm anodized aluminium alloy
Cable (incl. connectors)	4.0 mm ² solar-grade, 900 mm or customized
Dimension	1650 mm x 992 mm x 35 mm
Weight	19.0 kg

Mechanical load & ratings

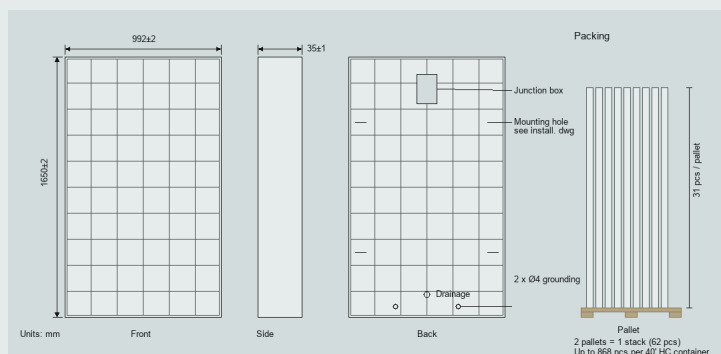
Max. wind load (reference)	2400 Pa
Max. snow load (reference)	5400 Pa
Maximum series fuse rating	20 A

Temperature ratings

Operating temperature	-40 to +85°C
Temp. coefficient of P_{max}	-0.38 %/°C
Temp. coefficient of V_{oc}	-0.31 %/°C
Temp. coefficient of I_{sc}	+0.06 %/°C
Nom. operating cell temp. (NOCT)	45 $\pm$ 2°C

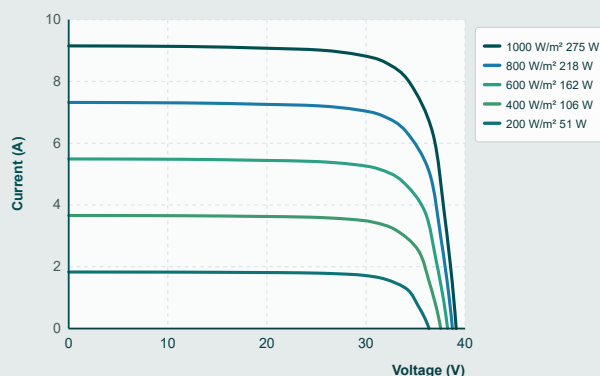
Packaging information

 31 pcs Modules per pallet	 62 pcs Modules per two-pallet stack	 Up to 868 pcs Modules per 40' HC container
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Representative I-V Characteristics — 275W Module

Illustrative curves - Cells temp. = 25°C



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PRODUCT CERTIFICATIONS



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