



Made in Germany

Introducing the world's most reliable All Black solar panel



SSM60C All Black - 245/260Wp

SPQP

Best-in-class QC

Senersun Premium Quality Program

The highest quality standards of the industry applied to every single solar panel

15.9%

Module efficiency

High module efficiency

15.9% module efficiency: increased production of electricity for each m²

-0/+3%

Positive tolerance

Guaranteed performance

A-grade components only and positive tolerance (-0/+3%)

25

-year warranty

25-year warranty

10-year product warranty
Linear 25-year power output warranty

Unique quality

The most stringent quality standards of the industry are applied to every single solar panel as part of Senersun Premium Quality Program (SPQP), the most advanced quality control program ever implemented by a solar panel manufacturer.

This is how we make sure of the utmost reliability of every single solar panel we deliver.

Safer packaging

Because packaging is an essential part of the value chain, Senersun solar panels are shipped in a packaging specifically designed to protect them better during transportation. Our packaging also makes the handling of the panels easier and improves the user experience.

One more solution we brought up to guarantee the unique quality of our solar panels.

Linear performance warranty

Senersun panels will produce up to 103% of their rated power output at delivery. During the first year, Senersun guarantees that the actual power cannot differ by more than 3% from the specified power. From the second year onwards, the power will not decrease by more than 0.7% of the rated power per year.

Visit www.senersun.com for more information.



SSM60C All Black - 245/260 watts

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Electrical characteristics at STC

(STC: Standard Test Conditions)

		SSM60C-245-E BL	SSM60C-250-E BL	SSM60C-255-E BL	SSM60C-260-E BL
Maximum Power (P_{max})	[Wp]	245	250	255	260
Power Tolerance	[%]	-0/+3	-0/+3	-0/+3	-0/+3
Maximum Power Voltage (V_{mpp})	[V]	29.8	30.0	30.2	30.5
Maximum Power Current (I_{mpp})	[A]	8.22	8.34	8.45	8.57
Open-Circuit Voltage (V_{oc})	[V]	37.0	37.3	37.5	37.8
Short-Circuit Current (I_{sc})	[A]	8.65	8.74	8.83	8.92
Module Efficiency	[%]	14.94	15.24	15.55	15.85
Test Conditions	-	1,000 W/m ² , (25 ± 2)°C, AM 1.5			

Electrical characteristics at NOCT

(NOCT: Nominal Operating Cell Temperature)

		SSM60C-245-E BL	SSM60C-250-E BL	SSM60C-255-E BL	SSM60C-260-E BL
Maximum Power (P_{max})	[Wp]	176	179	183	186
Maximum Power Voltage (V_{mpp})	[V]	26.7	26.9	27.1	27.3
Maximum Power Current (I_{mpp})	[A]	6.57	6.66	6.75	6.83
Open-Circuit Voltage (V_{oc})	[V]	33.5	33.7	33.9	34.2
Short-Circuit Current (I_{sc})	[A]	6.98	7.06	7.13	7.20
Test Conditions	-	800 W/m ² , NOCT, AM 1.5, Ambient temperature: 20°C, Wind speed: 1 m/s			

Reduction of module efficiency from 1,000W/m² to 200W/m²: <4% | Measuring tolerance: Pmax: ±3%, other electrical characteristics: ±10%

Temperature ratings

Temperature Coefficients of P_{max}	-0.43%/°C
Temperature Coefficients of V_{oc}	-0.33%/°C
Temperature Coefficients of I_{sc}	+0.04%/°C
Nominal Operating Cell Temperature (NOCT)	48°C ±2°C

Maximum ratings

Maximum System Voltage	1,000V
Limiting Reverse Current (I_r)	20A
Operating Temperature	-40°C to +85°C

Components information

Cell Type	Mono-crystalline 156×156 mm (6 inch)
No. of Cells	60 (6x10)
Front Glass	Transparent toughened safety glass, 3.2 mm
Frame	Black anodized aluminum frame
Junction Box	IP65 Rated, with 3 bypass diodes
Output Cables	4 mm ² solar cable length 1,000 mm
Application Class	Application class A (according to IEC 61730)
Cell Encapsulation	EVA (Ethylene Vinyl Acetate)
Back Side	Black composite film

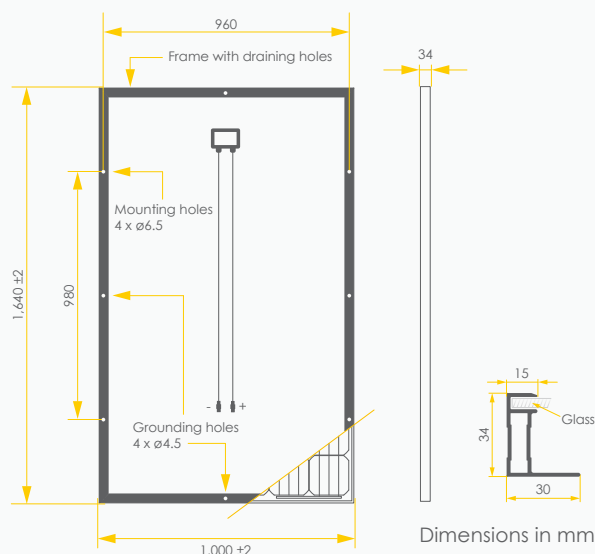


Mechanical characteristics

Dimensions	1,640 x 1,000 x 34 mm
Weight	18.2 kg

Packaging configuration

Pallet Load	29 pcs / pallet
Container Load	812 pcs / 40' HQ



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CAUTION: READ SAFETY AND INSTALLATION INSTRUCTIONS BEFORE USING THIS PRODUCT. Visit www.senersun.com for more information.

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