

SKANBATT

SNB-55W TOPCON Solar Panel

SKANBATT SNB-55W is a compact N-type TOPCON monocrystalline solar panel designed for smaller 12V and 24V off-grid systems. The small footprint makes it ideal for service vehicles, boats, sensor systems, telematics, fence/port automation and maintenance charging of batteries in Nordic conditions.

PRODUCT HIGHLIGHTS

Compact high-efficiency panel

55W N-type TOPCON mono panel with strong output from a small footprint.

Flexible mounting options

Panel size 700 × 395 mm makes it easy to place on small and narrow surfaces.

Durable construction

3.2 mm tempered glass, black anodised aluminium frame and black TPT backsheet.

Ready to connect

Supplied with 4 mm² cables and MC4 connectors for quick installation.

TYPICAL APPLICATIONS

- Maintenance charging of 12V batteries in vehicles and machinery.
- Small off-grid systems for cabins, sheds, gates and fencing.
- Boats and marine applications where space is limited.
- Telematics, surveillance, sensors and telecom support systems.
- Any installation where a compact and robust 55W panel is required.

CERTIFICATIONS

- CE marked (LVD / EMC compliance).
- TÜV certified.
- IEC 61215 (Design Qualification & Type Approval).
- IEC 61730 (Safety Qualification).

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Technical Specifications – SNB-55W

ELECTRICAL DATA (STC)

Model Number	SNB-55W
Rated Power (Pmax)	55 W
Open Circuit Voltage (Voc)	23.8 V
Short Circuit Current (Isc)	3.03 A
Voltage at Pmax (Vmpp)	20.4 V
Current at Pmax (Impp)	2.7 A
Power Tolerance	0 ~ +3 %
Test Conditions	STC: 1000W/m ² , AM1.5 spectrum, module temperature 25°C

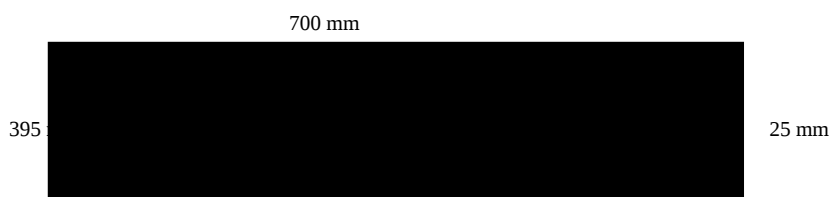
MECHANICAL DATA

Solar Cells	N-type TOPCON 182 × 36.4 mm
No. of Cells and Connections	2 × 17 = 34 pcs
Product Size	700 × 395 × 25 mm
Net Weight	3.0 kg
Superstrate (Front Glass)	3.2 mm tempered glass
Substrate (Backsheet)	TPT black backsheet
Frame	Anodized aluminium alloy 6063-T5, black
Junction Box	IP67 rated
Cables	4 mm ² , 90 cm with MC4 connectors
Application Class	Class A

TEMPERATURE & MAXIMUM RATINGS

Nominal Module Operating Temperature (NMOT)	47 ± 2°C
Operating Temperature Limits	-40°C to +85°C
Current Temperature Coefficient (TK)	0.065 ± 0.015 %/°C
Voltage Temperature Coefficient (TK)	-(80 ± 10) mV/°C
Maximum System Voltage	1000 V DC
Max Series Fuse Rating	10 A
Test Temperature	25 ± 2°C

PANEL DIMENSIONS (ILLUSTRATION)



Skandinavisk Batteriimport Norge AS – Mjåvannsåsen 4, 4628 Kristiansand
+47 38 10 70 20 – post@skanbatt.no – skanbatt.no

We reserve the right to correct errors and change specifications without notice.

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