

A photograph of a balcony with a solar panel system. The solar panels are dark and have a grid pattern. Above the panels is a large window with a black frame. The window reflects the sky and some trees. To the right of the window is a light blue wall with a small black square object mounted on it. The overall scene is bright and modern.

GOODWE

SUNCAKE SERIES

BMM-T1/054A


A Balcony Solar System - Plug & Play Portable Solar

ENJOY SOLAR, A PIECE OF CAKE

Portable Energy for Wherever You Are


The Suncake Balcony Solar System is a plug-and-play portable power generation kit. With lightweight PV panels, a microinverter, straps, and cables, you can easily generate your own electricity and use it anywhere. Simply attach the solar modules to the railing and plug them into an electrical outlet to start generating power. Moreover, it is entirely portable, you can unplug it, move it, and reconnect it as needed. Whether on an apartment balcony, in a courtyard, on a terrace, exterior walls, balcony railings, fences, or even outdoor tables, this system allows you to use electricity easily anytime, anywhere.

Reasons to Choose Us




Lightweight & Stylish

- 3.5 kg/m² lightweight solar panel
- Sleek matte black, anti-glare design
- Compact 21 kg system fitting easily in a car trunk




DIY Setup in No Time

- Plug-and-play easy installation
- Solo install up to 75% efficiency boost
- No tools, no extra labor required



Reliable One-Stop Solution

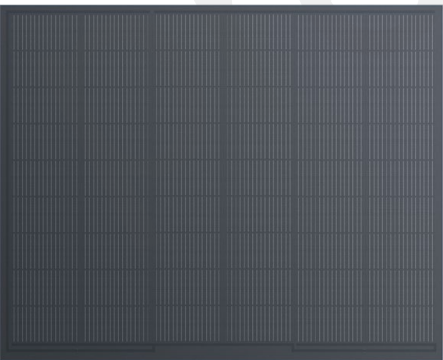
- All-in-one package, 50% lower shipping costs
- Durable full die-cast aluminum microinverter
- Rapid discharge for enhanced safety



Carry & Go

- Portable, easy to carry with one hand
- Versatile for urban living and outdoor use
- Glass fence adaptable

Suncake Portable Solar Kit



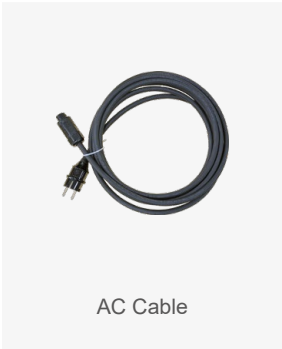
PV Panel



All-in-One Package



Microinverter



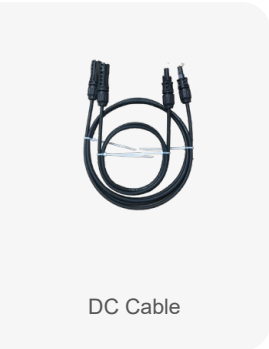
AC Cable



Accessory



Straps

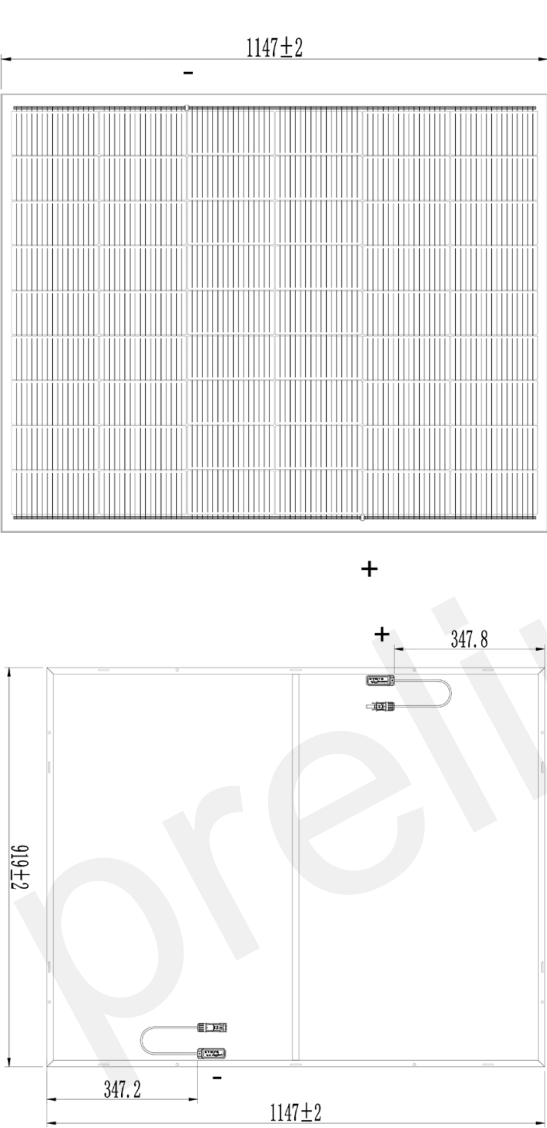


DC Cable

System Solution

System Capacity	Panel Unit	Straps	Microinverter	Microinverter Accessory	DC Cable	AC Cable
820W	4pcs	40pcs	800W	1pcs	4pcs	1pcs

Efficient BIPV Panels



Structural Data

BMM-T1/054A

Dimension	1147±2*919±2*17±1mm
Weight	3.5±0.5kg
Cell Type	N-type Topcon Half Cells(54 pcs)
Cable	4mm ²
Connector Type	MC4-EVO2 (Stäubli)

Electrical Data (STC)

Power	205W
Power/m ²	194W/m ²
Voltage at Max Power (Vmpp)	16.60V
Voltage at Open Circuit (Voc)	20.31V
Current at Max Power (Impp)	12.35A
Current at Short Circuit (Isc)	12.65A

Operation Conditions

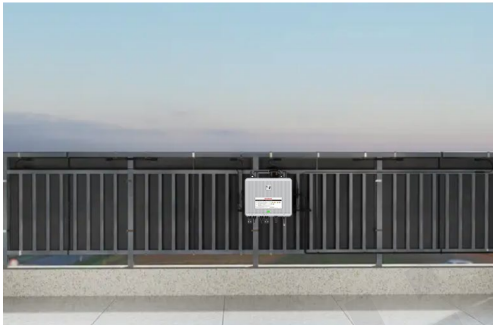
Max. Front Side Static Load	2400Pa
Max. Rear Side Static Load	2400Pa
Maximum System Voltage	1500V
Maximum Fuse Rating Operation	25A
Temperature Range	-40°C~+85°C
The Rated Operating Temperature	45±2°C
Fire-resistant Class	C
Ingress Protection Rating	IP67
Protection Class	II

Temperature Parameter

Isc TP	+0.03%/°C
Voc TP	-0.27%/°C
Pmpp TP	-0.30%/°C

Balcony Solar Power System with Microinverter

GW0.8K-MIS-G10



Size	256*210*34mm
Weight	3.4kg
Commonly Used Module Power	200-600W
Nominal Output Power	800W
MPPT Range	13~60V
Max. Input Current Per MPPT	18A
Max. Efficiency	96.40%
Operating Temperature Range	-40°C~+65°C, < 45°C No load shedding
Noise	< 22dB
Communication	WiFi / Bluetooth
Topology	High Frequency Isolated
No. of MPP Trackers	2
No. of Input Strings Per Tracker	1
PV String Current Monitoring	Integrated
Anti-islanding Protection	Integrated
AC Surge Arrester	AC type III

Versatile Applications



Villa



Balcony



Courtyard



Apartment



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