



SigenMate

Plug into the Sun
Podłącz się do Słońca

4 MPPT
4000W PV Input

2.68 - 56.4 kWh
Expandable capacity

3.6 kW
AC passthrough output

SigenMate EC 2700

800W output power(on grid)

2688Wh energy capacity

SigenMate BAT 2700

2688Wh energy capacity





On-grid 2 AC Outlets. Unleash 3600W

Sieciowe – 2 gniazda AC. Moc wyjściowa 3600W

2 AC Outlets

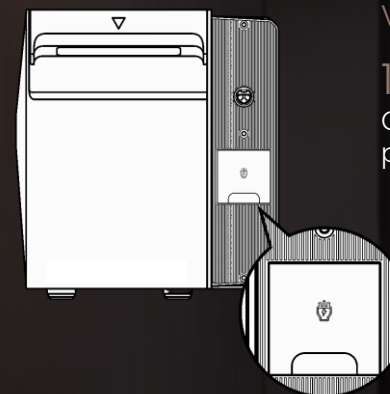
Supports two devices plugged in and powered at the same time.



Max. passthrough output power **3600W**

Draw power simultaneously from both the battery and the grid.

VS



Vendor A:

1 AC outlets

Only one load can be powered at a time.

Vendor A:

2000W Max. passthrough output power

The maximum power for directly pluggable loads is only 2000W.

*SigenMate has two AC outlets. Each port supports up to 3600W, with a combined total output of 3600W across both ports.

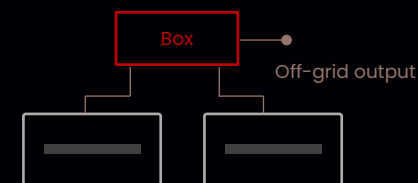
Off-grid Industry-Leading Backup Solution

Sieciowy awaryjny – Niezawodne rozwiązanie do zasilania gwarantowanego

- 1 **Truly Plug-and-Play: Connect 3, Get 3600W Off-Grid Power**
Just connect up to 3 SigenMate units together.

• No extra boxes needed.
Easy to DIY

• Others: Requires an additional distribution box.



✗ Additional Cost: €299

✗ Make DIY Difficult

No extra boxes needed

- 2 **Seamless Grid-to-Backup Switching**
When the power goes out, SigenMate kicks in seamlessly.

• Others: No seamless power backup during outages.

- 3 **150% Peak Output Power**

The startup power of many appliances greatly exceeds their rated power



Rated power: 500W
Max. Startup Power: 1500W

✓ Operate normally



✗ The load cannot start.



Retrofit 100% Compatible with Any Microinverters

Modernizacja-100% kompatybilne ze wszystkimi mikroinwerterami

- 1 Plug in any microinverters directly
Effectively controls microinverter power generation



Microinverter

- 3 Works both on-grid and off-grid
No solar waste, even off-grid.

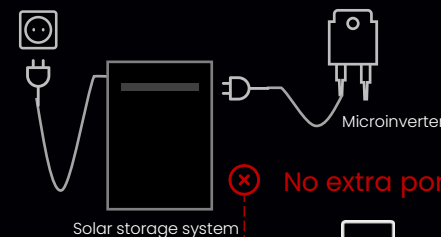


Load

- 2 Keeps critical loads running during retrofits
Uninterrupted power to critical loads during retrofits.

VS

- 1 Solution 1(Vendor A):
Only one AC outlet — no backup for loads during retrofits.

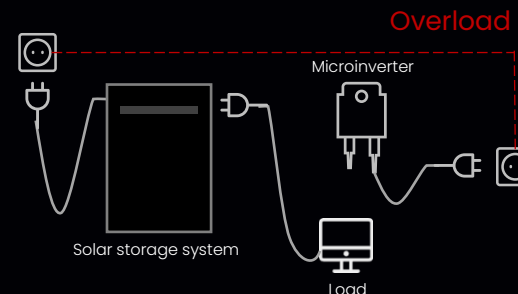


No extra ports available for critical loads



Load

- 2 Solution 2(Vendor M):
Direct plug-in unavailable for third-party microinverters.
Lack of communication risks overload.



Overload

Microinverter

Solar storage system

Load

Rear-wired for Any Corner

Okablowanie tylne do montażu w dowolnym narożniku

Cables Can Connect from Any Side. Route them left, right, or hidden from the back for a clean look.

Right wiring

Top wiring

Left wiring

Vendor A
Vendor M



Always Connected, Never Forgets

Zawsze połączone, nigdy nie zapomina

■ Rock-Solid Connection

IEEE 802.11ax
2.4GHz / 5GHz

VS

IEEE802.11b/g/n
2.4GHz only

Smart Dual-Band
Switching

Auto. selects between
2.4GHz and 5GHz Wlan



Single Band, Prone
to Interference.

Smart home devices
Neighbor's Wi-Fi
Microwave ovens
...

2.4GHz

- ✓ Keeps SigenMate online reliably – even when your home Wi-Fi is crowded
- ✓ Maintains the most stable link – Real-time control
- ✓ Ensures the fastest connection – instant data loading

- ✗ Data packet loss – App shows “device offline”
- ✗ High network latency – slow command response
- ✗ Slow transfer speeds – lengthy data loading

■ 30-day Data Safehouse

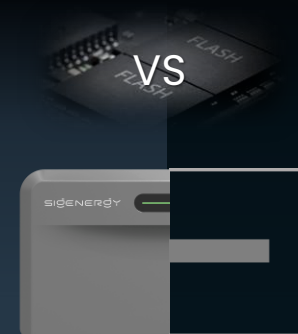
16 MB Flash

VS

4 MB Flash

30 Days

Ample Memory for
Unbroken 30-Day Logging.



Loss

Data loss risk
when offline.

Unstable Network
Outdoor Use

- ✓ Complete Data History – View seamless historical curves in the App
- ✓ Precise Troubleshooting – Enables accurate problem diagnosis for support



- ✗ History Can Be Lost – Critical performance data may disappear
- ✗ Blind Troubleshooting – Lacks sufficient data logs, making accurate remote diagnosis difficult