

SigenMate

Plug into the sun
2688 Wh



4 MPPT

Optimize Each Panel

4000 W

Generate More Power

32 A input current

8 Panels, Maximize Your Balcony Space

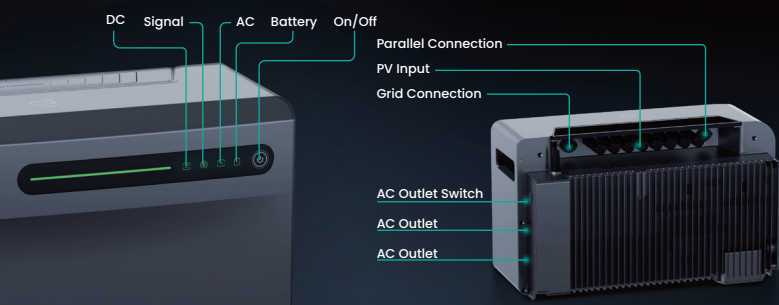


From **2.688** to **18.8 kWh**
Expandable capacity

Supports up to
1 host unit & 6 battery expansions



Understanding SigenMate: Lights & Ports



Unleash 3600W

Supports hybrid battery and grid power for
simultaneous dual-device output.



2 AC Outlets

Instant Backup Power

Seamless Grid-to-Backup Switching

Direct microinverter plug-in

Simultaneous backup for critical loads



More than just balconies and indoors

Use Outdoors with
Portable Solar Panels



100% Compatible
with Any Microinverters



	SigenMate EC 2700	Units
DC Input (from PV)		
Max. PV power	4000	W
Max. DC input voltage	60	V
Start-up voltage	16	V
MPPT voltage range	16 ~ 60	V
Number of MPP trackers	4	
Number of PV strings per MPPT ¹	2	
Max. input current per MPPT	32	A
Max. short-circuit current per MPPT	44	A
AC Output (on-grid)		
Nominal output power	800	W
Max. output apparent power	800	VA
Nominal output current	3.6	A
Nominal output voltage	220 / 230 / 240	V
Nominal grid frequency	50 / 60	Hz
Power factor	0.8 leading ~ 0.8 lagging	
Total current harmonic distortion	THDi < 3%	
AC Output (backup)		
Nominal output power	1200	W
Peak output power (10 seconds)	1800	W
Max. output power of parallel systems (2 pcs)	2400	W
Max. output power of parallel systems (3 pcs)	3600	W
Nominal output voltage	220 / 230 / 240	ms
Nominal output frequency	50 / 60	Hz
Power factor	0.8 leading ~ 0.8 lagging	
Total voltage harmonic distortion	THDv < 3%	
Battery		
Battery type	LiFePO ₄	
Cell capacity	105	Ah
Total energy capacity	2.688	kWh
Max. charge power	1800	W
Max. discharge power	1200	W
General Data		
Dimensions (W / H / D)	460 / 275 / 225	mm
Weight	< 30	kg
Storage temperature range	-30 ~ 65	°C
Operating temperature range	-20 ~ 55	°C
Relative humidity range	0% ~ 100%	
Max. operating altitude	4000	m
Cooling	Natural convection	
System ingress protection rating	IP66	
Installation method	Floor standing	
Communication	WLAN	

Expansion Battery

	SigenMate BAT 2700	Units
Battery type	LiFePO ₄	
Cell capacity	105	Ah
Total energy capacity	2.688	kWh
Max. charge power	1800	W
Max. discharge power	1200	W
Dimensions (W / H / D)	460 / 215 / 225	mm
Weight	25	kg

1. External Y-type terminal is required.
2. This document reflects current technology and is subject to change without notice. Contact Sigenergy for the latest information.