

SigenMate 2700 Ultra

DC Input (from PV)

Max. PV power	4000 W
Max. DC input voltage	60 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 Input (on-grid)

Max. AC input power	3600 W
Max. AC input current ²	16 A
Max. AC charging power	1400 W
Max. AC charging current	6.4 A
Number of MPP. trackers	4
Nominal input voltage	220 / 230 / 240 V
Nominal grid frequency	50 / 60 Hz

AC Output (on-grid)

Nominal output power	800 / 1400 W
Max. output apparent power	800 / 1400 VA
Nominal output current	3.5 / 6.4 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	1400 W
Peak output power (10 seconds)	1800 W
Max. output power of parallel systems (2 pcs)	2800 W
Max. output power of parallel systems (3 pcs)	3600 W
Nominal output voltage	220 / 230 / 240 V
Nominal output frequency	50 / 60 Hz
Power factor	0.8 leading ~ 0.8 lagging
Total voltage harmonic distortion	THDv < 3%

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Storage System

Battery type	LiFePO ₄
Cell capacity	105 Ah
Total energy capacity	2.688 kWh
Max. charge power	1800 W
Max. discharge power	1400 W

General Data

Dimensions (W / H / D)	460 / 275 / 225 mm
Weight	29 kg
Storage temperature range	-25 ~ 60 °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, Bluetooth

SigenMate BAT 2700

Battery type	LiFePO ₄
Cell capacity	105 Ah
Total energy capacity	2.688 kWh
Max. charge power	1800 W
Max. discharge power	1400 W
Dimensions (W / H / D)	460 / 215 / 225 mm
Weight	25 kg

1.External Y-type terminal is required.
2.When the AC input power exceeds 2800W, 16A grid connection cable is recommended.
3.This document reflects current technology and is subject to change without notice.
Contact Sigenenergy for the latest information.