

SigenMate Series

SigenMate	2700 Ultra Series	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 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%	
Battery		
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	

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	1400	W
Dimensions (W / H / D)	460 / 215 / 225	mm
Weight	25	kg

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