

	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 ²	800	W
Max. output apparent power ²	800	VA
Nominal output current ²	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. number of parallel systems	10	pcs
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. Expandable to 1200W and 5.5A in specific areas.
3. This document reflects current technology and is subject to change without notice. Contact Sigenergy for the latest information.