SigenMate Series

Preliminary

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	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	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

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 Sigenergy for the latest information.