

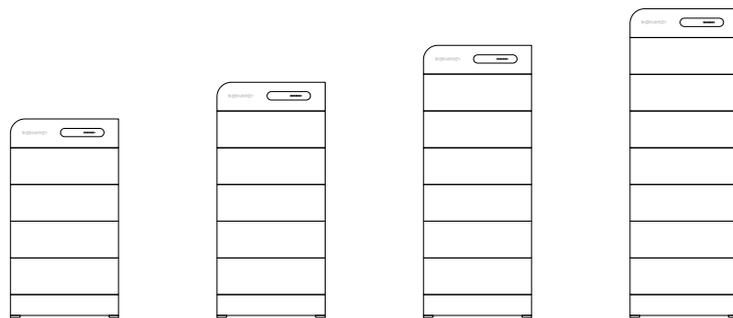
C&I Energy Storage System

Preliminary

	SigenStack BC Series	Unit
Battery Controller		
Max. output current	180	A
Max. input current of inverter	180	A
Operating voltage range	550 ~ 1100	V
Dimensions (W / H / D)	770 / 248 / 363	mm
Weight	60	kg
Communication	CAN	
Compatible inverter	Sigen Hybrid Inverter Series	

	SigenStack BAT 12.0	Unit
Performance Specification		
Battery type	LiFePO4	
Total energy capacity per module	12.06	kWh
Weight	105	kg
Dimensions (W / H / D)	770 / 300 / 363	mm
Nominal charge / discharge rate	0.5C	
Max. charge / discharge rate	1C	
System configuration quantity range	4 ~ 21	pcs
Max. system energy capacity	253	kWh

System General Data		
Fire suppression system	Aerosol, smoke sensor and exhausting system	
Max. operating altitude	4,000 (Derating at 2,000m)	m
Cooling	Smart air cooling	°C
System ingress protection rating	IP66	°C
Noise	< 70	dB
Operating temperature range	-20 ~ 55	°C
Relative humidity range	0% ~ 100%	
Max. number of modules per stack	7	pcs
Max. number of modules per system	21	pcs
Dimensions of base (W / H / D)	770 / 195 / 363	mm
Installation method	Floor standing	



	4	5	6	7	Unit
Number of battery modules	4	5	6	7	pcs
Total energy capacity	48.24	60.3	72.36	84.42	kWh
Total weight	500	605	710	815	kg
Total height (with base and SigenStack BC)	1,643	1,943	2,243	2,543	mm
Total width	770				mm
Total depth	363				mm