

SigenCube	ES261-2H		ES261-2H-A1	Units
DC Side				
Battery type	LiFePO ₄			
Total energy capacity	261			kWh
Nominal voltage range	676 ~ 936			V
Nominal charge / discharge rate	0.5P	0.38P		
AC Side (On-grid)				
Nominal output power	125,000	99,990		W
Max. output apparent power	137,500	109,989		VA
Max. output active power (cosΦ=1)	137,500	109,989		W
Nominal voltage	380 / 400, 3P4W			Vac
Nominal grid frequency	50 / 60			Hz
Power factor	1 leading ~ 1 lagging			
Total current harmonic distortion	THDi ≤ 1.5%			
AC Side (Backup) ¹				
Nominal output power	125,000	99,990		W
Max. output apparent power	137,500	109,989		VA
Peak output power (10 seconds)	187,500	149,985		VA
Nominal voltage	380 / 400, 3P4W			Vac
Nominal grid frequency	50 / 60			Hz
Power factor	1 leading ~ 1 lagging			
Total voltage harmonic distortion	THDv ≤ 2%			
Disruption time of backup switch ²	0			ms
Protection				
Safety protection feature	Insulation monitoring, Residual current monitoring, AC overcurrent/overvoltage/short-circuit protection, Type II AC surge protection, Anti-islanding protection			
System General Data				
Dimensions (W / H / D)	940 / 2,380 / 1,325			mm
Weight	2,500			kg
Storage temperature range	-35 ~ 60			°C
Operating temperature range	-30 ~ 55 (Derating at 45°C)			°C
Relative humidity range	0% ~ 100% (non-condensing)			
Max. operating altitude	4,000 (Derating at 3,000m)			m
Cooling	Smart Liquid cooling			
Balance mode	Active balance			
Fire suppression system	Combustible gas detector, Smoke detector, Heat detector, Explosion-proof fan, Alarm sounder, Cabinet-level Aerosol, Top explosion vent, Water-based fire suppression			
System ingress protection rating	IP55			
EMC protection rating	Class B			
Anti-corrosion protection	C4-M			
Noise	≤ 60			dB
Communication	WLAN, Fast Ethernet, RS485			
Communication protocol	Modbus-TCP, IEC61850			

1. SigenCube must be paired with Sigen Energy Gateway to enable backup operation.
2. This refers to the load-side disruption time. Test conditions: In the open-circuit state of the power grid, the total power of the SigenCube is higher than the total power of the loads.
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