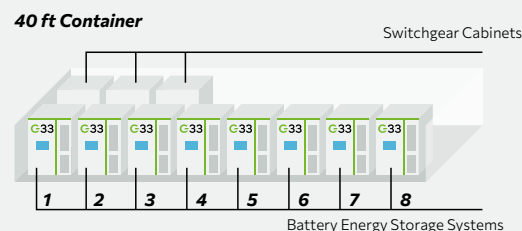
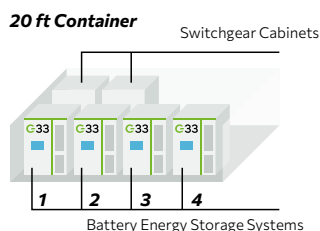




BESS Container



Technical Specifications

	20 ft Container (4× CP 215 Cabinet)	40 ft Container (8× CP 215 Cabinet)
Dimensions (W × D × H)	~5,900 × 2,350 × 2,390 mm	~12,000 × 2,350 × 2,390 mm
Empty Weight	~2.6 t	~3.2 t
Total Weight (incl. batteries & switchgear cabinets)	~13 t	~24 t
Operating Environment	Indoor and outdoor installation	
Operating Temperature	−30 °C to +55 °C	
Protection Class	IP54	
Battery System		
Cell Type	LFP (Lithium Iron Phosphate)	
Number of Battery Modules	4× CP 215 Cabinet	8× CP 215 Cabinet
Total Energy Capacity	860 kWh (4× 215 kWh)	1,720 kWh (8× 215 kWh)
Nominal Voltage	672 – 864 V DC	
Battery Pack Configuration	1P48S ¹ / 43 kWh per module	
System Configuration	4× 1P240S ²	8× 1P240S ²
Cooling	Liquid cooling	
Inverter & Grid Connection		
Total Input Power	400 kW (4× 100 kW)	800 kW (8× 100 kW)
Rated Output Power	400 kW (4× 100 kW)	800 kW (8× 100 kW)
Grid Voltage	400 V AC (−15 % ~ +15 %)	
Grid Frequency	50 / 60 Hz (auto detection)	
System Efficiency	> 98 % (max.)	
Safety & Communication		
Safety Certifications	IEC62619, IEC63056, IEC62477-1, IEC60730-1, EN 61000-6-2 / -6-4	
Grid Compliance	Low Voltage: VDE-AR-N 4105 (DE), CEI 0-21 (IT), EN 50549-10 (EU); Medium Voltage: VDE-AR-N 4110 (DE); High Voltage: VDE-AR-N 4120 (DE)	
Communication Interfaces	RS485 / Ethernet	
Fire Protection System	Aerosol system (Perfluorohexanone-based medium)	
Emergency Stop	Integrated (E-stop button)	
Switchgear Cabinets	2	3
Access	Double-leaf front door, side maintenance door	

¹1P48S = 48 cells in series per module ²1P240S = 5 × 1P48S = 240 cells in series

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