

SCB 215 Battery

ECB-021500-P00

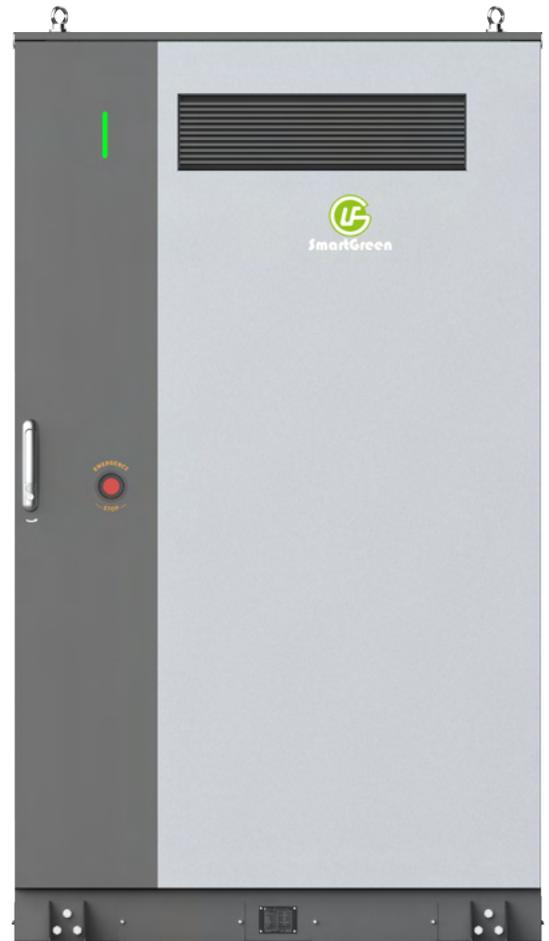
Commercial Energy Storage - EU

The series products provide a large-capacity of power for commercial or industrial needs.

One is to provide backup power to avoid losses caused by power outages.

Another is to enlarge maximum power capacities in a short time to cover peak loading without over contract capacity.

The most popular one is to balance power demand by storing during light power and low-price period and releasing power during heavy power and high-price period to keep in contract capacity range or save electricity bills.



Product

HIGHLIGHT



Highly integrated and modular design with LFP, BMS, EMS, PCS, HVAC in a cabinet and easy to install and maintain.



High-performance modular battery with high cycle life and transfer efficiency up to more than 90%.



High safety for outdoor use with IP54 water-proof and built-in smoke detector and auto fire extinguisher system.

Commercial Energy Storage - Battery

Series / Model Name		SCB 215 / ECB-021500-P00
Performance		
Cell capacity / Material	280 Ah / LFP Prismatic	
Working voltage	Rated: 768 Vdc, range: 720 Vdc to 852 Vdc	
Installed capacity / DoD	215 kWh / 93 %	
Charge - discharge rate	≤ 0.5 P	
Interior PCS - Battery port		
Working voltage	650Vdc - 950 Vdc	
Working current	Max 158 A	
Interior PCS - Grid port		
Wire connection	L1+L2+L3+N+PE, three-phase	
Rated voltage	230/400 Vac, 50 Hz	
Working power	Max. 100 kVA (on-grid) / Max. 100 kVA (off-grid)	
Working current	Rated 145 A (on-grid) / Max. 145 A (off-grid) with linear load	
Interface / Communication		
Display	7-inch touch screen (interior)	
Interface	Ethernet	
General Parameter		
Operating temperature	-20 °C to +55 °C	
Humidity	≤ 85% RH, no condensation	
Operating altitude	≤2000 m	
Mechanical		
Enclosure protection	IP55	
Cooling	Industrial air-controlled system	
Dimensions (W x H x D)	1,257 x 2,200 x 1,438 mm (AC cooling included)	
Weight	2,557 kg	
Installation type	Ground - mounting	
Protection		
Protection function	OCP, OPP, SCP, OVP, UVP, OTP, over/under frequency, anti-reverse wiring protection	
Detection function	Buzzing alarm, Access control monitoring(travel switch), Combustible gas (smoke) monitoring, Gas fire extinguishing equipment, Insulation impedance detection, Water immersion monitoring (floating ball type)	
Compliance		
Standards	Safety: IEC/EN 62619, IEC/EN 63056, IEC/EN 62477-1 EMC: IEC/EN 61000-6-2/-4, Other: UN38.3+MSDS, Marine Identification Report	
Grid Connection Standards	MEA, PEA	

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