

# Cohesion-2

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## / Product Features



Active battery balancing management technology



BMS accurately measures SOX with millisecond response time



Car grade battery cells, two-layer pressure relief, and cloud monitoring for quick warning, doubling safety



Comprehensive digital LCD display



BMS collaborative security control technology



BMS collaborative cloud platform enables visualization of battery cell status

Model	SFQ-E241
PV parameters	
Rated power	60kW
Max input power	84kW
Max input voltage	1000V
MPPT voltage range	200~850V
Starting voltage	200V
MPPT lines	1
Max input current	200A
Battery parameters	
Cell type	LFP 3.2V/314Ah
Voltage	51.2V/16.077kWh
Configuration	1P16S*15S
Voltage range	600~876V
Power	241kWh
BMS communication interface	CAN/RS485
Charge and discharge rate	0.5C
AC on grid parameters	
Rated AC power	100kW
Max input power	110kW
Rated grid voltage	230/400Vac
Rated grid frequency	50/60Hz
Access method	3P+N+PE
Max AC current	158A
Harmonic content THDi	≤3%
AC off grid parameters	
Max output power	110kW
Rated output voltage	230/400Vac
Electrical connections	3P+N+PE
Rated output frequency	50Hz/60Hz
Max output current	158A
Overload capacity	1.1 times 10min at 35℃/1.2times 1min
Unbalanced load capacity	100%
Protection	
DC input	Load switch+Bussmann fuse
AC converter	Schneider circuit breaker
AC output	Schneider circuit breaker
Fire protection	PACK level fire protection+smoke sensing+temperature sensing, perfluorohexaenone pipeline fire extinguishing system
General parameters	
Dimensions (W*D*H)	1950mm*1000mm*2230mm
Weight	3100kg
Feeding in and out method	Bottom-In and Bottom-Out
Temperature	-30℃~+60℃ (45℃ derating)
Altitude	≤ 4000m (>2000m derating)
Protection grade	IP65
Cooling method	Aircondition (liquid cooling optional)
Communication interface	RS485/CAN/Ethernet
Communication protocol	MODBUS-RTU/MODBUS-TCP
Display	Touch screen/cloud platform