

Cohesion-1



/ Product Features



Active battery balancing management technology



BMS accurately measures SOX with millisecond response time



Car grade battery cells, cloud monitoring for quick warning



Simple and technological appearance design, surface spraying fireproof and heat-insulating coatings



BMS collaborative cloud platform enables visualization of battery cell status



Built-in independent fire protection system

Model	SFQ-ES61
PV parameters	
Rated power	30kW
PV Max input power	38.4kW
PV Max input voltage	850V
MPPT voltage range	200V-830V
Starting voltage	250V
PV Max input current	32A+32A
Battery parameters	
Cell type	LFP3.2V/100Ah
Voltage	614.4V
Configuration	1P16S*12S
Voltage range	537V-691V
Power	61kWh
BMS Communications	CAN/RS485
Charge and discharge rate	0.5C
AC on grid parameters	
Rated AC power	30kW
Max output power	33kW
Rated grid voltage	230V/400V
Access method	3P+N
Rated grid frequency	50/60Hz
Max AC current	50A
Harmonic content THDi	< 3
AC off grid parameters	
Rated output power	30kW
Max output power	33kW
Rated output voltage	230/400Vac
Electrical connections	3P+N
Rated output frequency	50/60Hz
Max output current	43.5A
Maximum efficiency	0.978
Overload capacity	1.25/10s,1.5/100ms
Unbalanced load capacity	100%
Protection	
Input/output protection	Fuse+Shunter
Fire protection	PACK level fire protection+smoke sensing+temperature sensing
	perfluorohexaenone pipeline fire extinguishing system
General parameters	
Dimensions (W*D*H)	W1500*D900*H1080mm
Weight	720Kg
Feeding in and out method	Bottom-in and bottom-out
Temperature	-30°C~60°C
Altitude	4000m
Protection grade	IP65
Cooling method	Aircondition
Communications	RS485/CAN/Ethernet
Communication protocol	MODBUS-RTU/MODBUS-TCP
Display	Cloud Platform