

Cohesion-C1



/ Product Features



Built-in independent fire protection system



Uninterrupted power supply



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



Multi-level intelligent thermal management to improve system efficiency



BMS collaborative security control technology



BMS collaborative cloud platform enables visualization of battery cell status

Model	SFQ-CS1MWh
Battery parameters	
Type	LFP 3.2V/280Ah
PACK configuration	1P16S*15S
PACK size	492*725*230 (W*D*H)
PACK weight	112±2kg
Configuration	1P16S*15S*5P
Voltage range	600~876V
Power	1075kWh
BMS Communications	CAN/RS485
Charge and discharge rate	0.5C
AC on grid parameters	
Rated AC power	500kW
Max input power	550kW
Rated grid voltage	400Vac
Rated grid frequency	50/60Hz
Electrical connections	3P+N+PE
Max AC current	790A
Harmonic content THDi	≤3%
AC off grid parameters	
Rated output power	500kW
Rated output voltage	400Vac
Electrical connections	3P+N+PE
Rated output frequency	50Hz/60Hz
Overload power	1.1 times 10min at 35℃/1.2times 1min
Unbalanced load capacity	1
PV parameters	
Rated power	500kW
Max input power	550kW
Max input voltage	1000V
Starting voltage	200V
MPPT voltage range	350V~850V
MPPT lines	5
General parameters	
Dimensions (W*D*H)	6058mm*2438mm*2591mm
Weight	20T
Environmental temperature	-30℃~+60℃ (45℃ derating)
Running humidity	0~95% non-condensing
Altitude	≤ 4000m (>2000m derating)
Protection grade	IP65
Cooling method	Aircondition
Fire protection	PACK level fire protection+smoke sensing+temperature sensing, perfluorohexaenone pipeline fire extinguishing system Water Fire Protection (Reserved)
Communications	RS485/CAN/Ethernet
Communication protocol	MODBUS-RTU/MODBUS-TCP
Display	Touch screen/cloud platform