

SC 50 PCS



Features

- Support on-grid charge/discharge and off-grid
- Good expansion thanks to multi-machine parallel function
- Optional virtual synchronous motor control function
- Three-phase 100% unbalance load ability equipped

Input (DC) side

Max. DC voltage	670V
Working voltage range	195~650V
Min. DC voltage	195V

General Data

Dimensions (W×H×D)	806×1884×636mm
Weight	730kg
Operating temperature range	-30°C~+55°C
Power consumption at stop	<40W
Cooling concept	Temperature-controlled
Ingress protection rating	forced air cooling
Relative humidity (no condensing)	IP21
Max. working altitude	0~95% (Non-condensing) 6000m (operation with derating above 4000m)
Display	Touch screen
Dispatch communication	RS485, Ethernet
BMS communication	RS485, CAN Modbus/IEC104
Communication protocol	

Efficiency

Max. efficiency	95.50%
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Protection Parameters

DC side disconnection device	Circuit breaker
AC side disconnection device	Circuit breaker
DC over-voltage protection	Yes
AC over-voltage protection	Yes
Reverse polarity protection	Yes
Module temperature protection	Yes

Output (AC) Side

Nominal power	50kW
Max. AC power	55kVA(long time operation)
Max. AC current	79A
Max. THD	<3%at nominal power
Nominal grid voltage	400V
Grid voltage range	310~450V
Nominal grid frequency	50/60Hz
Grid frequency range	47~52Hz/57~62Hz
Power factor at nominal power	>0.99
Isolation transformer	Yes
Power factor	0.9(lagging)~0.9(leading)
Individual inversion voltage range	370~410V
Individual inversion output voltage distortion	<3%(linear load)
Unbalance load capacity	100%
Individual inversion voltage transition range	Within 10% (resistance load 0%<=>100%)

