

SC 100 PCS



Features

- Support on-grid charge/discharge and off-grid independent inverter
- Multi-machine parallel function
- Optional virtual synchronous motor control function
- Three-phase 100% unbalance load ability equipped

Input (DC) side

Max. DC voltage	820V
Working voltage range	500~800V
Min. DC voltage	480V

General Data

Dimensions (W*H*D)	806x1884x636mm
Weight	760kg
Operating ambient temperature range	-30°C+55°C
Power consumption at stop	<40W
Cooling Concept	Temperature-controlled forced air cooling
Ingress protection rating	IP21
Relative humidity	0~95%(Non-condensing)
Max. operating altitude	6000m(>4000mderating)
Display	Touch screen
Dispatch communication	RS485, Ethernet
BMS communication	RS485, CAN
Communication protocol	Modbus/IEC104

Efficiency

Max. efficiency	97.30%
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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	100kW
Max. AC power	110kVA(long time operation)
Max. AC current	159A
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 range	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%))

