

# SC 1000TL PCS



## Features

- High power density to save plant initial investment
- Direct parallel connection at AC side
- Wide DC voltage range, suitable for battery system of 1000V
- Support automatic or controlled frequency regulation

### Input (DC) side

Max. DC power	1000kW
Max. DC voltage	1100V
Working voltage range	780~1050V
Min. DC voltage	730V
Max. DC current	1410A

### General Data

Dimensions (W×H×D)	1605×2065×935mm
Weight	1100kg
Operating temperature range	-30°C~55°C
Power consumption at stop	<220W
Cooling concept	Temperature-controlled forced air cooling
Ingress protection rating	IP21
Relative humidity (no condensing)	0~95%(Non-condensing)
Max. working altitude	6000m(operation with derating above 4000m)
Display	Touch screen
Dispatch communication	RS485, Ethernet
BMS communication	RS485, CAN
Communication protocol	Modbus/IEC104

### Output (AC) Side

Nominal power	1000kW
Max. AC power	1100kVA(long time operation)
Max. AC current	1176A
Max. THD	<3% at nominal power
Nominal grid voltage	540V
Grid voltage range	432~621V
Nominal grid frequency	50/60Hz
Grid frequency range	47~52Hz/57~62Hz
Power factor at nominal power	>0.99
Power factor	0.9(lagging)~0.9(leading)

### Efficiency

Max. efficiency	98.50%
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### Protection Parameters

DC over-voltage protection	Yes
DC short-circuit protection	Yes
AC over-voltage protection	Yes
Reverse polarity protection	Yes
Insulation monitoring	Yes
Module temperature protection	Yes

