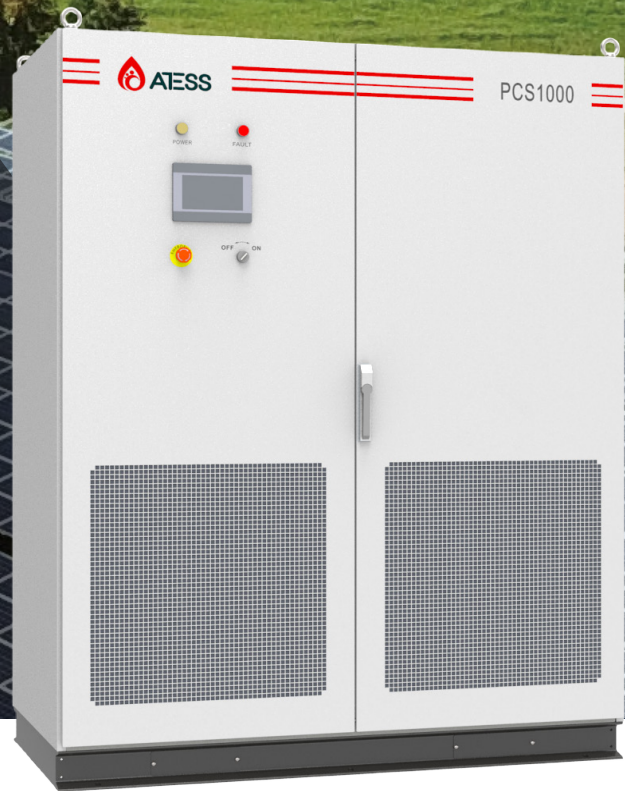


# PCS1000/1000HV

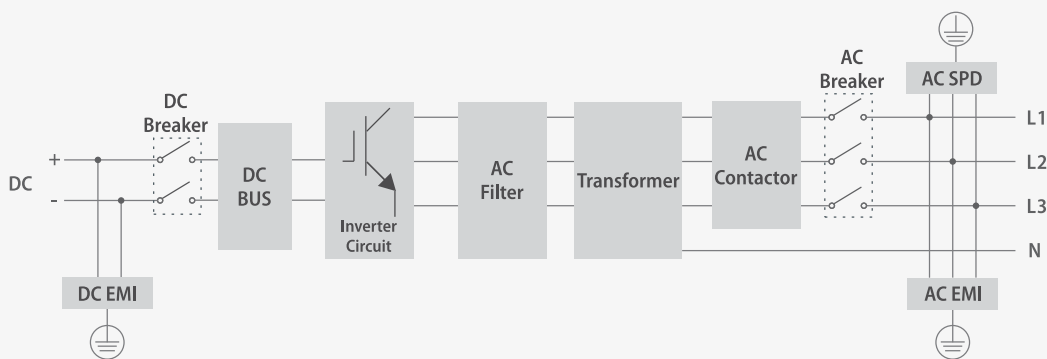
Bidirectional battery inverter from 1000kW, can be used alone or with solar charge controllers and other accessories for different application scenarios.

## Features

- Paralleling multiple units
- Programmable working mode
- Flexible configuration
- Touchscreen LCD
- Support remote control of DG



## Block Diagram



Note: PCS1000 must be matched with an isolation transformer, and PCS1000HV can be matched with an isolation transformer according to project requirements.

**PCS1000****PCS1000HV****AC(on-grid)**

Apparent power	1000kVA	1000kVA
Rated power	1000kW	1000kW
Rated voltage	400V	400V
Rated current	1443A	1443A
Voltage range	360V-440V	360V-440V
Rated frequency	50/60Hz	50/60Hz
Frequency range	46-54/56-64Hz	46-54/56-64Hz
THDI	<3%	<3%
PF	0.9 lagging~0.9 leading	0.9 lagging~0.9 leading
AC connection	3/PE	3/PE
Max. rectified power	750kW	1000kW

**AC(off-grid)**

Apparent power	1000kVA	1000kVA
Rated power	1000kW	1000kW
Rated voltage	400V	400V
Rated current	1443A	1443A
THDU	≤2% linear	≤2% linear
Rated frequency	50/60Hz	50/60Hz
Overload capability	110%-10 mins 120%-1 min	110%-10 mins 120%-1 min
Max. rectified power	750kW	1000kW

**DC (Battery and PV)**

Rated power	1040kW	1000kW
Current regulation	±1%	±1%
Voltage regulation	±1%	±1%
Voltage ripple	<3%	<3%
Current ripple	<2%	<2%
Voltage range	650V-860V	900V-1500V
Max. charge/discharge current	1154A/1600A	1111A

**General Information**

Max. efficiency	98.5%	98.5%
Protection degree	IP20	IP20
Noise emission	<65dB(A)@1m	<65dB(A)@1m
Operating temperature	-25°C~+55°C	-25°C~+55°C
Cooling method	Forced-air	Forced-air
Relative humidity	0-95% non-condensing	0-95% non-condensing
Max. altitude	5000m(derate over 2000m)	5000m(derate over 2000m)
Dimension(W/H/D)	1510/1900/850mm	1510/1900/850mm
Weight	1500kg	1400kg
Build-in transformer	No	No
Lightning protection	Type II	Type II
Transfer between on/off grid	Manual(default), Automatic(optional) ≤10ms	Manual(default), Automatic(optional) ≤10ms

**Communication**

Display	Touch screen	Touch screen
Communication	RS485/CAN	RS485/CAN

**Certificate**

CE , MEA , PEA , EN 61000-6-2:2019 , EN 61000-6-4:2019 , EN61000-6-2:2005 , EN62109-1:2010 , EN62109-2:2011, NRS 097-2-1:2017