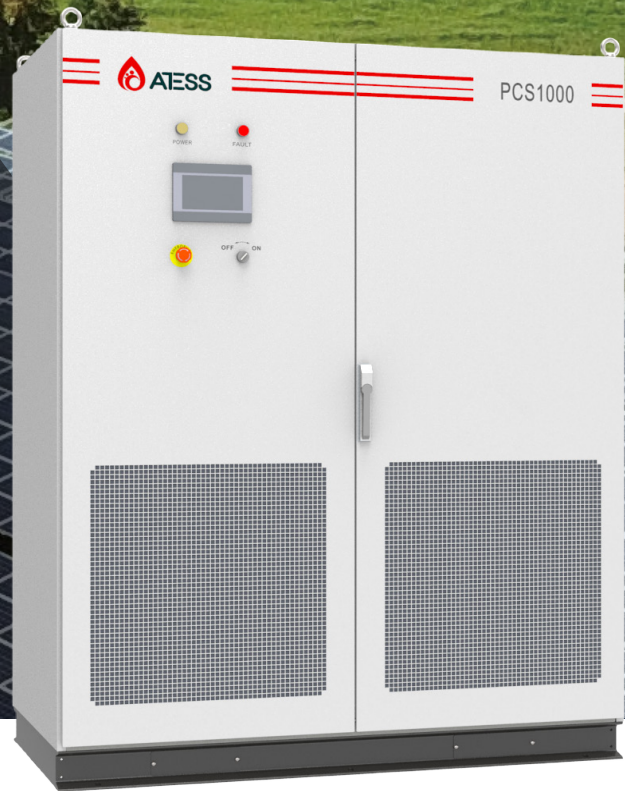


PCS1000/1000HV

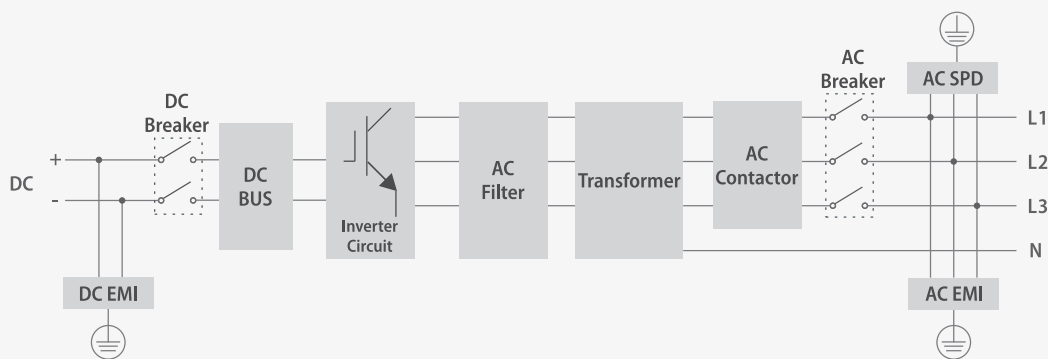
Bidirectional battery inverter from 1000kW, can be used alone or with solar charge controllers and other accessories for different application scenarios.

Features

-  Programmable working mode
-  Flexible configuration
-  Touchscreen LCD
-  Support remote control of DG
-  Max. 8 units in parallel in off-grid operation



Block Diagram



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

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
Grid support	L/HVRT, FRT, active & reactive power control and power ramp rate control. Volt-var, Volt-watt. Frequency-watt	

Communication

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

Certificate

EN 61000-6-4:2019, EN 55011:2016+A2:2021, EN 61000-6-2:2019, IEC 61000, EN 62920:2017/A1:2021, CISPR 11:2015/A1:2016