

## 1500V series outdoor Power Conversion System



## Features

## High efficiency and low losses

- Air-cooled heat dissipation, low system losses
- PCS three-level topology, maximum efficiency 98.95%
- High power quality
- Complete and reliable protection function

## Grid friendly

- Various control modes, PQ, etc., suitable for different application scenarios
- Support IEC61850 protocol and fast communication interface, with millisecond response
- Support fault recording to facilitate fault analysis and location

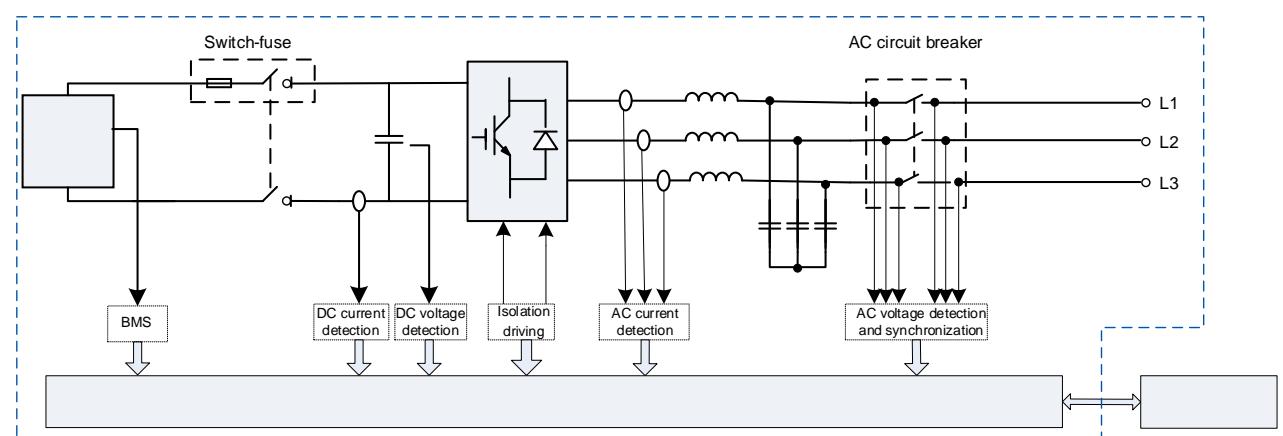
## Safe and reliable

- Separate primary and secondary compartment, high security
- IP 65, high degree of protection
- Separate circulating heat dissipation design, high efficiency and reliability

## High integration

- Modular design, convenience for operation and maintenance
- Unit building block function, support parallel connection of multiple cabinets on the DC side or AC side

## Schematic diagram



## Technical specifications

Model		PCS-9567-1750
DC side		
DC voltage range (V)	1050~1500	
Maximum DC input current (A)	1833	
DC voltage ripple	< 2%	
DC current ripple	< 3%	
AC side		
Nominal AC output power (kVA)	1750	
Max. AC output power (kVA)	1900	
Nominal grid voltage (V)	690	
Grid voltage range (V)	621~759	
Max. AC output current (A)	1588	
Nominal grid frequency (Hz)	50 / 60	
Grid frequency range (Hz)	45~55 / 55~65	
THD	< 3%	
Nominal power factor	> 0.99 (Rated Power)	
Adjustable reactive power	-100%~100%	
Wiring method	Three-phase three-wire system	
System		
Weight (kg)	1500	
Dimension (WxHxD) (mm)	1200*2400*1400	
Cooling method	Forced air cooled	
Max. operating altitude (m)	5000 (> 3000 derating)	
Isolation method	Transformerless	
Operating temperature range (°C)	-40~60 (>45 derating)	
Relative humidity	0~100%	
Protection level	IP65	
Communication ports	CAN / RS-485 / RJ45 / optical fiber port	
Support protocols	CAN / Modbus / IEC 61850 / IEC 60870-5-103, etc	