

PCS-9567-2500

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 99%
- High power quality
- Complete and reliable protection function

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

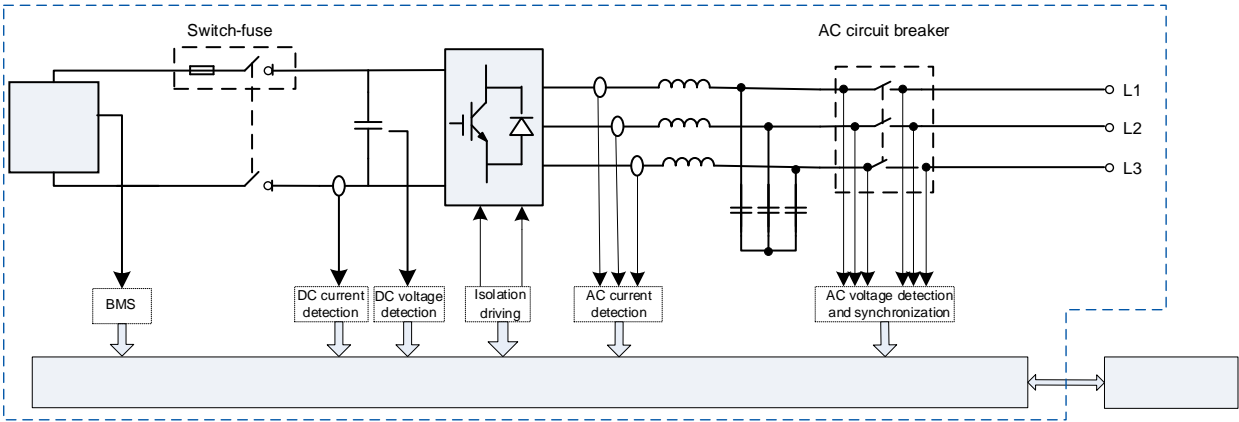
Grid friendly

- 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

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-9567-2500
DC side	
DC voltage range（V）	1050~1500
Maximum DC input current（A）	1310×2
DC voltage ripple	< 2%
DC current ripple	< 3%
AC side	
Nominal AC output power（kVA）	2500
Max. AC output power（kVA）	2750
Nominal grid voltage（V）	690
Grid voltage range（V）	621~759
Max. AC output current（A）	1151×2
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)	2000
Dimension (W×H×D)（mm）	1400*2400*1600
Cooling method	Forced air cooled
Max. operating altitude（m）	5000（> 3000 derating）
Isolation method	Transformerless
Operating temperature range（℃）	-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