

# PCS-9567

## 1250kW DC / AC Converter

New



### Power Grid Friendly

- Support PQ / VF / VSG / GFM etc. control modes  
Fast voltage and frequency regulation
- Support on-grid and off-grid operation to achieve uninterrupted power supply
- Inertia and short circuit power support with advanced GFM control

### High Reliability

- Field-proven mature software and hardware
- Fault record function, easy for fault analysis
- AC and DC redundant power supply to increase power supply stability
- Comprehensive and reliable protection features

### High Efficiency

- Three-level topology, efficiency up to 99%
- Low-power consumption fan, combined with the intelligent temperature control system
- Low-loss reactor, reduce the system operating power

Model	PCS-9567-1250
<b>DC Side Parameters</b>	
Operating range of DC voltage (V)	1050~1,500
DC side maximum current (A)	1310
Number of DC inputs	1
DC voltage ripple coefficient	± 2%
DC current flow ripple coefficient	± 3%
DC switch protection	Disconnecting switch + fuse (DC tolerance 120kA 10ms)
<b>AC Side Parameters</b>	
Rated power (kVA) @45°C	1250
Max. AC power (kVA) @35°C	1375
Rated grid voltage (V)	690
Grid voltage range (V)	621~759
Max. AC output current (A)	1151
Rated grid frequency (Hz)	50 / 60
Grid frequency range(Hz)	45~55 / 55~65
Total harmonic distortion rate	< 3%
Power factor	> 0.99
Power factor range	1 (leading) ~ 1 (lagging)
Wiring method	three-phase three-wire system
AC switch protection	circuit breaker
<b>System Parameter</b>	
Weight (kg)	1200kg
Dimensions (W*H*D) (mm)	780 x 2400 x 1500
Cooling method	Forced-air
Max. operating altitude (m)	5,000 (> 3,000 derating)
Isolation method	No transformer
Operating temperature range: (°C)	-40~60 (> 45 derating)
Environment humidity	0~100%, with no condensation
Protection level	IP65
Corrosion level	C5
Grid-forming support	Yes
Communication interface	CAN / RS485 / RJ45 / Optical fiber
Communication protocol	CAN / Modbus / IEC60870-103 / IEC61850 etc.



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