

# PCS-9567TU-1000/1250/1375/1575/1750

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%

### 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 such as PQ and grid-forming, 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 AC side
- Power and energy density increased by > 50%

## Technical specifications

The product series covers 1000kW~1750kW, some typical model specifications are as follows:

Model	PCS-9567TU-1000	PCS-9567TU-1250	PCS-9567TU-1375	PCS-9567TU-1575	PCS-9567TU-1750
DC side					
DC voltage range （V）	600~1500	780~1500	850~1500	970~1500	1050~1500
Maximum DC input current （A）	1833	1833	1833	1833	1833
DC voltage ripple	< 1%				
DC current ripple	< 3%				
AC side					
Nominal output power （kW）	1000	1250	1375	1575	1750
Maximum AC power （kVA）	1100	1375	1513	1733	1900
Nominal operating voltage （V）	400	500	550	630	690
Operating voltage range （V）	360~440	450~550	500~600	567~690	630~760
Maximum AC output current （A）	1588				
Nominal operating frequency （Hz）	50 / 60				
Operating frequency range （Hz）	45~55 / 55~65				
Maximum THD of current	< 3%				
Nominal power factor	> 0.99				
Adjustable power factor	0.9（leading）~ 0.9（lagging）				
AC connection	Three phase three wire				
System					
Weight（kg）	1600				
Dimension（W×H×D）（mm）	1200×2350×1400				
Cooling method	Forced air cooled				
Maximum working altitude （m）	6000（> 3000 derating）				
Isolation method	Transformer less				
Operating temperature range （℃）	-35~60（>45 derating）				
Relative humidity	0~95%，no condensation				
Degree of protection	IP65				
Communication interface	CAN / RS-485 / RJ45 / optical fiber port				
Communication protocol	CAN / Modbus / IEC 61850 / IEC 60870-5-103, etc				

## Schematic diagram

