

PCS-8812PB

186kW/372kWh

Liquid Cooled
Energy Storage Cabinet



Safe & Flexible

- Single cluster control, no parallel connection at DC side, less short-circuit current
- Highly integrated cabinet for easy transportation and installation
- The ESS cabinet is independent to realize higher safety
- Advanced cell-level temperature control ensures longer battery cycle life and higher efficiency

High Efficiency

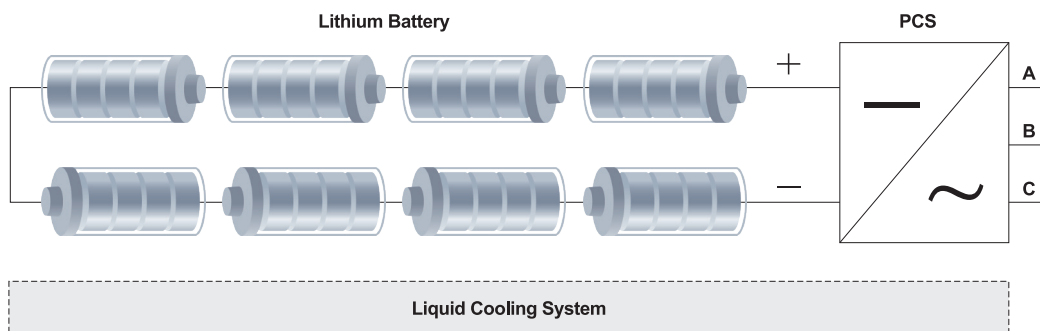
- Smart liquid cooling ensures higher efficiency and longer battery cycle life
- Advanced three-level PCS topology Max. conversion efficiency up to 99%

Smart & Friendly

- Fully-integrated operating system for comprehensive control, including grid-forming
- IEC-61850 protocol, ms-level response time
- Fault record enables faults location and analysis

High Integration

- Liquid cooled PCS& Battery, with high protection class of IP66
- Modular design supports AC side parallel connection and easy system expansion
- Factory-built, modular design, small footprint, high power and energy density



Type	PCS-8812PB-186/372	
Battery Data		
Capacity	(kWh)	372
Rated Voltage	(V)	1331.2
Voltage Range	(V)	1164,8~1497,6
Max. Current	(A)	176
AC Side Data		
Rated Power	(kW)	186
Max. Power	(kVA)	205
Rated Current	(A)	156
Max. AC Current	(A)	171
Rated Voltage	(V)	690
Voltage Range	(V)	587-759
Grid Frequency	(Hz)	50 / 60
Frequency Range	(Hz)	45~55 / 55~65
Max. THD of Current		< 3% (at nominal power)
Charging & Discharging Switch Time		<30ms
Power Factor		> 0.99
Power Factor Range		-1~1
AC Connection Phases		3 phases 3 wires
System Data		
Weight	(kg)	4500
Dimension(W×H×D)	(mm)	1500×2450×1300
System Efficiency		88%
Cycle Life	(time)	5000(DOD 90%, EOL 80%)
Voltage of Auxiliary Power		380V,3+N(Optional self powered)
Auxiliary Power	(kW)	5
Cooling		Liquid cooling
Max. Working Altitude	(m)	4000(> 3000 derating)
Isolation Method		Transformerless
Noise		≤75dB (1m)
Operating Temperature Range	(°C)	-30~50
Relative Humidity		0~100%
Degree of Protection		IP56 (IP66 for PCS)
Display		Bluetooth
Communication Port		RJ45 / Optical Fiber Port
Communication Protocol		IEC-61850



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