

# PCS-8812PB

93kW/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

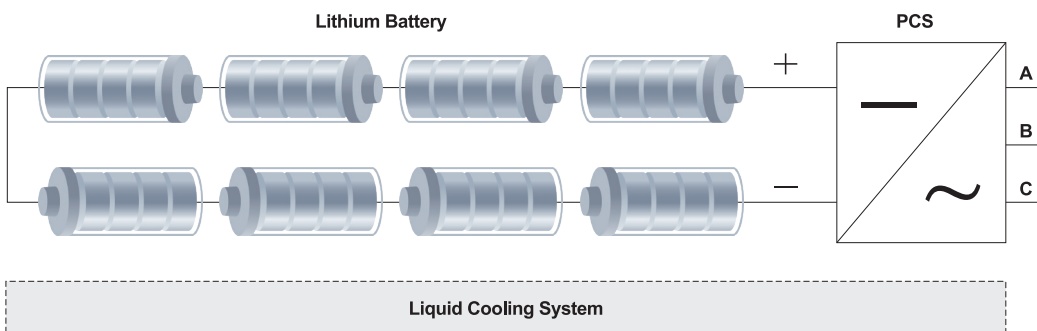
- Smart liquid cooling ensures higher efficiency and longer battery cycle life
- Advanced three-level PCS topology Max. conversion efficiency up to 99%

## 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	
<b>Battery Data</b>		
Capacity	(kWh)	372
Rated Voltage	(V)	1331.2
Voltage Range	(V)	1164,8~1497,6
Max. Current	(A)	176
<b>AC Side Data</b>		
Rated Power	(kW)	93
Max. Power	(kVA)	102
Rated Current	(A)	78
Max. AC Current	(A)	85,5
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
<b>System Data</b>		
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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