

# Modular Energy Storage Inverter

By adopting a three-level topology structure, bidirectional conversion from DC to AC and AC to DC can be achieved. It can convert AC power into DC power to charge the battery, or convert DC power into AC power to supply power to the load or feedback to the grid.



## Product Core Highlights



Three level modular design, bidirectional energy conversion



On-demand allocation, peak shaving and valley filling, local automatic operation



No vulnerable parts, modular with N+1 redundancy

Product Model	PCS1-100K
<b>DC side parameters</b>	
DC voltage range	580-950V
Maximum input current	175A
<b>Parameters of AC grid connection</b>	
Rated AC power	100kVA
Maximum power	110kVA
Rated grid voltage	400V ± 15%
Rated grid frequency	50Hz/60Hz ± 2.5Hz
Alternating current harmonics	< 3% ( at rated power )
DC component of AC current	< 0.5%In
power factor	± 1
<b>AC off-grid parameters</b>	
Rated AC power	400V ± 15%
Alternating voltage harmonic	< 3% ( at rated power )
DC voltage component	< 0.5%Un
Rated grid frequency/grid frequency range	50Hz/45-55Hz
<b>System parameter</b>	
Mode of isolation	Non isolated
Maximum efficiency	98.50%
Cooling mode	Forced air cooling
Protection class	IP20
Dimension (W * H * D) mm	485*220*780mm
<b>Mode of communication</b>	
Host computer communication mode	ModBusRTU.CAN2.0
Communication interface	RS485/CAN