

Modular Energy Storage Inverter 100K

-  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
DC side parameters	
DC voltage range	580-950V
Maximum input current	175A
Parameters of AC grid connection	
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
AC off-grid parameters	
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
System parameter	
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
Mode of communication	
Host computer communication mode	ModBusRTU.CAN2.0
Communication interface	RS485/CAN