

Netzr

ZRCI268 C&I Energy Storage System



SYSTEM INTEGRATION

Pre-installed and pre-commissioned modular design to reduce on-site work.
Optional STS, PCS, and MPPT configurations according to system variant.



PERFORMANCE AND EFFICIENCY

High-efficiency PCS up to 98.5% (if equipped).
Supports seamless on-grid and off-grid operation.



THERMAL MANAGEMENT

Liquid cooling system with cell temperature difference ≤ 2.5 °C.
Optimized thermal balance for reduced heat loss and stable performance.



MONITORING AND CONTROL

Remote monitoring and control via cloud platform or mobile application.
Easy maintenance with real-time alarms and remote upgrade.



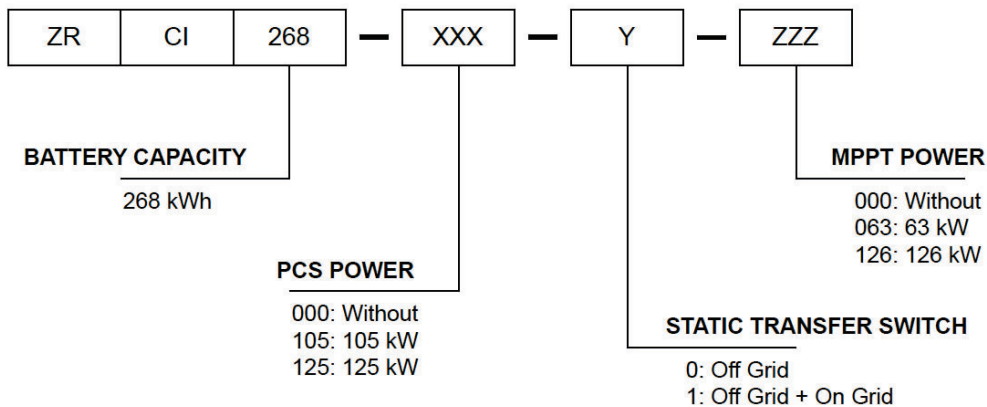
SAFETY AND RELIABILITY

Three-level protection: PACK, RACK, and System.
Fire prevention design with early thermal detection and protection functions.



FLEXIBILITY AND SCALABILITY

Modular architecture for parallel expansion.
Customizable configurations for various commercial and industrial needs.



Technical Data		ZRCI268 - XXX - Y - ZZZ	
DC side			
Cell type	LFP 3.2 V / 350 Ah		
System battery configuration	240S1P		
Rated capacity	268 kWh (*)		
Rated voltage range	680 V ~ 852 V		
AC side (on-grid)	(**) (***)		
Rated voltage	400 V		
Voltage deviation	-15%~+15%		
AC Output type	3W+N+PE		
Rated output power	105kW	125kW	
Max. output power	116kVA	137.5kVA	
Max. Current	167A	200A	
Rated grid frequency	50Hz		
Power factor	0.99		
Power factor range	-1 lagging ~ +1 leading		
Current distortion rate	< 2% (@rated power)		
Overload capacity	110% long term		
Max. Efficiency	≥98%		
Switching time	< 20ms		
AC side (off-grid)	(***)		
Rated voltage	400 V		
AC voltage harmonics	< 3% (@linear load)		
Rated frequency	50Hz		
Rated output power	105kW	125kW	
Max. apparent power	116kVA	137.5kVA	
Max. Current	167A	200A	
MPPT	(****)		
Rated power	63kW	126kW	
Long-term overload power	70kW	140kW	
Voltage range	400V~900V		
Maximum current	160A	320A	
Maximum efficiency	99%		
System parameter			
Dimensions (W * D * H)	1100 mm * 1500 mm * 2400 mm		
Weight	2700 kg		
Degree of protection	IP54		
Anti-corrosion degree	C5 (Optional) C3 (Default)		
Operation humidity range	0 % ~ 100 %		
Operation temperature range	-20 ~ 50 (> 45 derating)		
Max. operating altitude	3000 m		
Temperature control method	Intelligent liquid cooling		
Noise	≤ 70 dB (A) @ 1m		
Fire suppression system	Flammable gas detector, Smoke-Heat detector, Alarm sounder, Aerosol, Sprinkler, Ventilation system		
Communication interface	Ethernet		
Communication protocol	Modbus TCP		
Standard	IEC 62619, IEC 63056, IEC 62040, IEC 62477, UN 38.3		
Max.Parallel quantity (off-grid)	8		